





"Desert on SHIT's interest par year. The applicable interest rate and your associal purposes way be higher depending or year cryste resultances as determined by bander in its safe discussion. See FRECHETI I have despite





Percentage and the control of the co



Not just digital., Samsung DigitAlli \$2000 Name on Plantonics Canada Inc. of Journal and couloid names are incidence's or required indemarks of Enir respective comparise Product appearance and specifications subject to change without netice















The SER Series Managers that will take your workspace. to new heights. From the view. To learn more about Samsung Monitors visit us at www.samsung.ca or call 1:800-SAMSUNG. \* For Mississauga rail: 905-542-1417





SPEATER TORONTO

SEPTEMBER 2002

COMING UP

October 2002

Street Street Street Co. Bearl. Street. Ed.

Monomber 2002

Leb York Windows 

PERSONAL PROPERTY AND PARTY AND PERSONAL PROPERTY AND PERSONAL PRO

# IN THIS ISSUE

Commentary 8 Letters

04. Is true compatibility arthrophic

New S. Ketchie

17 Decreas Was boas in at Marwell New York

72 Carades Canada 2002 smaller less Backs 73 Kandspring bets on Tree

74. A visit to the Seeu heath

Si. New Motorcia absence for the back and chile conce-64. Venez scientists pick as fintel accelates

NAS Command by electronics; making solutions of Managaria

Year IT career 16 Firstion work after being described

24. To wait from and back 26 If you seed control to arrow it 36 Cers. SMARS, China and CIPS

December 2002 

42 Test Late Cannot \$5000 aurely at his reduce

18 Test Life A network printer for your house 16. Venden rarses the harm analySmall Office Technology 67 Securior Will returnly

62 Security remonunces saldon

67 High-bort below much admission extracas

69 Office Suite Training: Fun with Faret corrects 85 Outry Box Autory sand

Platform News 28. House busine france again assessed in Francisco

29 Apple House Consur price session many May Saleshila \$1 Seaton Linux; like the source, bules

Online & Connected 85. Monday years more blob filter Monday CSS automores

97 Book annear Homespee Dishlifty

Careers & Tratains .00 Book mylew Nac 05 X beleashed

Visit Us Now!!!

CPU RAM Motherhound Storages Digital Images Tower Case Monitors Video, Audio, Network and much more . . . . .

WWW.ATOPONLINE.COM Saytar Bard Brisas

2000-447 200 Ohra + Hom (Older #87 000004444 Building a PC IDE Debre (Base) 487

- FACY. nes are subsect to chance subback rustice. Stock is subject to modulating ?

# **Next Generation Performance**



Story up to the Style and Performence of a Meedienic Display. • Curl US

After all in the time connecting yet state at:

• Fund of Linear plants, died for agmentation desired publishing and large interest pages.

• Fund of Linear plants, died for agmentation desired and desired publishing and large interest pages.

• Terreleiem\*\* allows posters period and constraints whening ungles up to 175°.

seque secul. Drose the fazione that are right for you holded a

10 END-SCROOL CHARMENT IN A CHARMENT THAT IN A CHARMENT THAT IN A CHARMENT TO Scheduling the spiritual and in-wife applications will
be support under during

10 END-SCROOL CHARMENT TO Scheduling por spiritual TV, dates, permit and in-wife applications will
be support under the support to the support t





ViewSonic

# 9

The parted questing the early to mile 90s represent something of a golden say in educational computing. I used to latters to passing, but hore come to make that the golden age never crided, it just cheeped.

riské k jast chegné. In the 95s, obstanné cettyche ga sanky trýbel stěbest tilst pagt chárin bott ferne, renhem temperatur procesa Terr ser vezel naze obstavá sleb var devlopen mácháp falmel. Dostbas Thomas Compay, and fisher Pros. platké of mell comme former, and fisher Pros. platké of mell comme former cell comme for service observation and the comme former cells of the cells of the

coldent receipt is any from the result in their rolls. The quality of amendment in the falls were training. There were questly storing reprinting desired prices were questly storing reprinting desired prices with the product of the receipt of the

learning occur the user muches a cartain age.

The property side for present with a property work.

# Let's learn!

the naturous examples—individuals learning how to make bombs and company rouns part by arring the public learning—but they converge operations as there too, mything from basic claritouruse and auto-cross books to foroger learning. Heaving to programming. Then there are the custrious groups—anguably file learning that there are the custrious groups—anguably file learning their learning that the proper of learning, which theirs, they are the source of people who have as a

Show: Software seedings are sunderstantly contributing to the effective of the computing times not, though a few effectives of the computing times not, though a few effectives of the first three states of the first time first time of the first ti

for company rayer we wanted that attent, and a few price ago charged the threat of one frequentier name from "hack to achood" to "a career as inchnology" in serve a few new moder pacels, Part, modests wanted post-secondary solvice Second, those almody as the workforce control the

emportance of adopting a strategy of hidrony learning in order to secure or keep a pob on the first changing world of information technology, but, needed to be the mond growth of the Web, which created new constrpaths. Bits Web are development. It also created demand, and thereby suggested coulting correcquestion in IT the enempts, desirable change and programming. We not and become for graphic design, commission, even photography, and writing), business deministration (project management and francial sysnessis, and many other fields.

No. Il know which happened over the latter to each figures, which the decrease builder clicking. What must be it a shilled that encound neutral net contributes and a shilled that encound neutral network and the contribution of the contribution of

Erpsy the sour! David Tenska, Editor





MERCAN THE CHARLES WERE CHARLES COMMISSION WHAT SHARING WARRANCE W

DOMESTATE OF THE STATE OF THE S

STATISTICS LIKELY

ARTISTICS LIKELY

ARTISTICS

Call 416-923-63 for ad informal

# \$10 Billion Worldwide Group #1 Total Component Solutions













Writel Receit Controller
One parte frâncester Allemann Cyle
CylinDynamia Souni Wires Pailler
#30 Winte Paul White Parlimentes

### < COMMENTARY >

are the makes of tect display on UCB

peretag-tox sharp/angular, or "pheb"-I know that there are software geograms that address the stokies, but an out surworld work (word processing for ment of

as) and less evolutive attention to cames As a Mac user, I are especially interestlosin away for graphes but, so the succ-

Buring PC components eversess

Stand Tensile repliet Slaves overneer non-

Thurlis, and what is the pickarge sate?

ported to \$1,299 in rated cours level. \$500 per refine for 4,500 year, or aloug advertisite in the Rehmany some of The Computer Paper were selling it for \$569. Since the Robon 8700 is a based new

For example, a set released Caron FSSS60

year-old Cason GP shortel covers was

and possibly it would be more expensive. words, 1,000 sen equal about \$17.50

### The CD tariff sags continues

the July love [see Readers' Lettern] that ing, because it covers the lost C2 sale

swely by partising block Ch. I too will long as I copy onto curchised blask CBs

ings, one "Redson family" equals 6,000 TV vestes thelies. I wonly low new copylight of minals are represented by this

# Five years ago

To the September 1997 tops of the Sometic Proc. for ones heading wad "Leaving in the Norld Wide General," understifting the growing But 307 had already been exploring this

number "Woulde your own Web one" monthly series was already up to thet 24.

\$1,500 to \$2,000. Among our product reviews were a comversus Microsoft Internet Explorer 4.0 and

computers. Mines Coolfus 200 and Olympus D-2008.

manufacturing also made un appeareva-wearder Souetter Hear and StorRocksonts?

And speaking of Apple, we also carried the devi." which reported on the announcement Steve Jobs mede at

willion in Apple, and getting the percent Apple potents until 2002



# VIF Internet

The Internet simplified

14.95\$ month

Unlimited Access
With yearly membership payable on activation

9.95\$ month

19.95\$ month Unlimited Access

Each subscription includes:

No activation for
 All inclusive membership with 5Mb Web Site, 6 e-mail accounts
 Butching membership with 5Mb Web Site, 6 e-mail accounts

Past connection, never, worsey,
 Bluckey fast 56k X2 V90 Inves
 No have stread

any signal y algusi metasork

Web Hosting starting at 9.º5 per month Domain names registration : 15.º5 Residential High Speed Access Commercial High Speed Access











Come visit our web site http://www.vif.com Montreal - Quebec - Hull - Ottawa - Toronto



remained ARRY by plants

software for Nac users. Fige-Brader 5 Pro-

documents into plans test. \$17, 795.

The company upon the saftware use including OpickTone. Appliferiat, conalout-in English and Spanish only, for next FreeFouder "understands" 137 with-

ABITY and its technology makes low-coality documents (recluding detcopes, and figure) while still przydyne a scan assistant soldes were through docu-

costs frei-speed legal area entwerks (CANA) solve their relative residential

M SPERKEZE NEOWNER WAS OBER TROPE DEED WASHINGTON

Fine-leader weeks with all TWNIN-complant scarces, Sheefast divers, and encomment in 65 KL

to nest of us as hearing mits), has added



lancer have to femble around with the make an adhotment. The watch wint him

It communicates with the beams aid were electromagnetic organic. The wide-emisters to a depth of 30 msees. It costs US\$500 to US\$600 in an

nicefest (non-nucletram) has unveiled a tire of small and home Office networking devices that can correct in any open that his an electri-The HemePlum 958 Adapter and Ethernet Bridge products allow yours to

products offer data speeds of up to 14

and is compatible with Windows only. The

network adoptes, and is compatible with Nor. Windows, and Bole, Each of the remeffue devices has a suspessed retail. neitz of (1968)

Contravel on page 34





### All roads lead to speed.

# Choose the decicated internet access solution that suits your business needs.

that sums your business needs.

The appropriate selfators will give your business optimize scalability and spend, as well as an industry loading Coco router to surt your

ATBT Canadris self-healing DC192 filtre opec network and you'll have the support of our teven of highly skilled technicians 24 hours a day, 7 days a week. What's more, every solution in backed by a 59556.

Market BOM water ADA or State Community of C

and we'll include the monthly access line;" plus all the necessary hardwar

www.attcanada.ca/business 1 888 457-8615



nadar BOUNDLESS

Voice Data Internet E-Business

# Managing an IT career

Tech skills are no longer enough; you need to understand business processes, too

# The lost three years have been transitions times in the unite-

I transferent times to the strikematten such selected the down of the new religious and the down of the new religious to the down to this influed and then beaut, the Milliam sum Bug didch bits, and proceeded religious maxim trigeted the new control of the search world conseasy on Sign. 11. The 7C showp and the selected burn resulted in light at Nortel, Celeman, MGS, and many other Canadan to the same

the Canodian IT who marker accountly delight And, a this can of the methods of charge, here care in IT professional talks control of the or her carest public from a northeger for that first IT ph, and height to coll a camer than still be enabled, the coll as first IT ph, and legy account of the method with the collection of the collec

### If as an engine of job creation according to Canadian government ditacts, there were more than SE2,000 people implement as the information and

communications inclinalogy (ECT) sector in 2001. That figure was projected to grow to ident \$50,000 by the cast of 2002 in spire of detects begoin and contractions in some telecome firms, the growth is compense and governmental IT off source to be incorpus Canadian (T jobs growing stradity

Extreme 1995 and 2006, employment in that succes great a mixed of LS greatest annually, more than three those fairn than the hard Parameter employment question the Canadian concerns as whole in bothers and computer survivaes, which was growing and a side of 95 greatest and computer survivaes, which was growing as a side of 95 greatest annually, nowly five three the energy of the proof of the

es industry were self-employed.

According to representatives of Oracle
and Microsoft, these are still significant.



thorages of IT professionals in many categories, such as desibne programmen and sower speculies; "There's a shortage of qualified IT people in Caracla," says leades Serpeous, managing partner and chief encurive of

as meaning min Logical reviews copy (weakpoigtement). If think there's a list of apportunity for job scokers, but a list of people short have the shall sets employeem net looking for? To find a job, it helps a lot if you have the particular shall or expension that is in doors assent. For example, a confirm to a

digenomials for the Orderin Johnson Viter St. Blackman, the understed job specially made distinuation between Johnson and the made in the Article is look and the made on the expedienced with the analysis of the computer sidely deliging and manufacturing softward joe stam. To get these qualifications of the stam, the part the property of the solution of the property of the ball of the bal

them are vacancies awaiting any qualified applicant.

Dee't think jobs, jobs, jobs,

Den't think jets, jets, jets, think career, career, career According to Sittpson, the best approach

juri a peri et a cumoni, it increassage un the business." She says the highest demand is for those IT professionals who can be the bridge between the IT deparment and a corporationals caree business activities and partners.

"Certainly three is high demand for business relationship managers, who perform the cele of advocate between the IT department and the company's business certal." Suppose cleans that the largest enterprese.—bonds, incomme controllars and the federal governcent—bare concluded that IT is not just

a department, the costnel to the maxim of all operations.

The person who combines toth servy with business servy is in high demand.

Sceneore who can work with IT people, who can week with goths and alphagrelos, but understands the business.

procks, "on accessingly write their own takes, Surgeon toys, for series of qualifications, such as a computer science degree or certification in a particule distulsae or operatting system, Singson area, "Certs use weakfulf, but this year and pagin theget year a career. They will get you a pile, Accesser as upwarely mobile, developing you into management asserted." In how a career, of IT bodgs, Singson suns,

sed is redunding:

For example, when Radio Sheck
Conside (neworkerhater) decided to
reducid in the control of the control of the
first of the control of the control of the
first of the control of the control
first of the control of the control
first of the control of the
first of the control of the
first of the control
first of the
first of

IRM, for in part, in vigorously pooling in "to-brance on densarid" model of branch or continued in the branch or estaturated IT services. In the branch or continued in the IT requirements, to be prochase ensuits continue rather than manifestation in portions entire than manifestation in the branching for the things of the particular o

to understand business needs is even more essential.

If there is any one thing that has changed... businesses will no longer tolerate the isolatod "glass house" model of II, where a mysterious programmer priesthood dictates what is or isn't good for the busi-

ness.

provider and the corporate client has to be very deal and the service provider has to be presented and facused on the costomer's business strategy, rather than on the outsourcing service provider's technology.

12 STREET AND THE CONTROL WITH CRICKE CROSS SCHOOL AMMENDMENTS

# Flat Out Perfect

viewing experience from a CRT monitor. ideal for the office or home the Studiowarks F7.Flat CRT monitor series offers state-of-the-art features at an affordable price?

> STUDIOWORKS E700B + 17" (16 06" VIS) . 100% Flet Outer Screen • 1280 x 1024 ● 60Hz a 0.25mm Dot Bitch



The Studiesprin FZ-Flat Series Includes TITL 15" and 22" medels — the E7008, 19008





























Complete Interriet Solutions for your

0.000 Visitors to Your Site olutions to fit any sized compa

high**impact**si<sup>ke</sup>s Excellent customer service and personal

More than just great web design

Sites.com is more than just a web design company - we are a full service w company dedicated to helping your business achieve success on the internet.

Our services take your company through all phases of internet marketing, from consultation to site design, to promotion and advertising. Even the greatest site in the world wouldn't make

Visit today at http://www.highimpactsites.com to see how we can help your business succee

Call us at 905-415-3663 and start getting your business noticed today!

# Open Your Eyes



# Finding work after being downsized

looking for a tech-based jeb right

But don't less beart. There are still lots

By Good Wheelanists

set or even by college and employee all in the mercy, where you can take an stand the product or server you're self-

. State clearly 'I seek a position does

it should be noted that unless you are clothing dament or seeking a part in a we don't really have to wanty about see-

can offer as merely the tasks you undervide you with a good starting point, but me a lat of year questifable skills and XML repriese in SQL deblor cre-

prised ranspersest, MSCE qualifica-Then go on to think about what you that it helped you develop. These may be you main of your capibilities.

Job-hunting is as much a sales process as anything else. And to be an effective salesperson, you need to understand the product you're selling. That product or service is, of course, you

rate network, or drugs a catalogue systree for a company library, or hold an hedd est a Wedows XP-basel come

The business of finding IT jobs: Know your potential employer ask well be used more effection than to

forms, such as help wanted ask. the solveoire applying for two pages

nutch the emplayer's stated requirewhat it is you want to do in III and from about the company before

14 SPTIVER 2022 THE COMPLEX WAYS COURSE TROUGH STORY INAVOING TORSON

the company to which you've applying. offic knowledge of the company, the

view first, then to determine if any and finally to yours employment. what you present about yourself is not

aligned with the pastion being offeed . So not yourn employers with mumbs thought or case: they'll be discarded company before contacting it. If you

their Web sites fearn about the compoit as an employee in the position being

company, you're not intely to set the

The Canadian IT too market of 2003 is 2001 version. Teller voor career screensy according your sidle, and think in Bread tail to seep a yell that is a stepping share



# FREE WEBMAIL FREE SUBDOMAIN FREE WEBSTATS

# Free Web Hosting



## Suddenly The World Seems So Much Smaller

Register your domain name with Netfirms and get fast, reliable, affordable web hosting. We make no compromises. Instant activation, no hidden fees. This is how it should be.

Our starce bottom gervice includes 25MB promising, and friends of disk space. Feel / CGI, wholste traille state, websteld, entil feworing, PTP access, bit outsteen, Websteld, entil feworing feworing access to the promising and the promising access to the pro

promotion, and friendly knowledgeable support. We even after NetChjects Fusion sets design software! Semply put.

Netfirms given you the world. After all, it's the lattle thangs that count.



www.netfirms.ca - Info@netfirms.ca - 416.661.2100

# WINTRONIC BEAT ANY ADVERTISED PR

### State of the last CD WRITER 40 X 16 X 48 \$75 CO WRITER LITE-ON 48812848 599 \$35

BLANK CO SPRIQUE 100 PCS ATT CASE NOW IN POWER SUPPLY \$30 INTEL PENTIUM 4 - 2A Sethears Included MONOR'S E proded \$1.000

PERSONAL PROPERTY AND ADDRESS OF THE PERSONS AND PARTY AND ADDRESS OF THE PERSONS AND ADDRESS AN 28 WE CONCRETE CONTRACT OF STREET, AND CONTRACT OF STR Ad Spin Tol Shrinki Corvertor, 30 sound care, 8884 Sandan will Minima IP + III privatel #1,5m

McCover No. 20 N. A'I or ? hops, Assa A 2222 Minte Suppl 294 ME GG/294 FAM PC210F, 40GB 1294 SPM Rent Epipe. 1009 10 STATE Years Card, NY SHAPE THE Pro 2 11 Floory Paneseric, Dischlarin CO Revenue LC, 32 Second

100 W Sanston, Anghoors, Legisty Somil Bloom TVSA Bentor, W. Bright, R.J.S. Samuray 750

OF STREET, DESCRIPTION OF CHARGE SHAPE COLORS VISION COLORS

Finding work after boms downstrad Tenally, think about the skills you have

used cutakin of work that have server ment. You may have organizational and volunteer setting, for example, that you pler in your smaler workage life Doe's

irrentors. They are all part of what you

Who's your contemps? Now that you know the product and associated set of services source selling. you need to firms our who the our

dates. Like any energies in marketing, the more tiebthy you turnet and concernor

passion, they will recognicate, and before not know it would have a red corre-

WWW.\_

TOP-The fills of Wat Blamery have developed a PHP solgt that arswers the your Wo-Name, go to: www.blucory.com/urphag/sustane.php

employer was experiencing You also possible about your potential employer

Web one to contacting friends or coold even call up the company's human kinds of things that perhaps you won't ly give you a feet for the "culture" and

If we've just come through a layoff and are observing to apply to companies also likely have contacts in that sector that you can talk to the excelet of lates of my "non-competition" clauses in your contract with your previous

Note that wealth story year 544th and

esperience inventory" and narrowed have a a better chance of finding a solthat will be fulfilling and rewarding for both you and your prospective fators You can start by talking to people you you went a complete break from what

ing filter such so www.edcools.com. Terefo commelo arc en excelloss place to

number of graving areas of the econoincluding healthcare, preventive care, overons for the stock market), and

research to establish which section you and then do some replement their in

# The Internet should always ook this good!





Buy-the-Month **Buy-the-Year** 

/edi for het 12 months. Bonus Offers

xtra Month Free! Sign-up online at www.look.cg/home and

we'll include your 1st Month Free!

Unbegrable Unlimited Internet Access Offers!

Bonus Offer: FREE Knapsack

Sign up to our annual plan and we'll send you a knowsark FRFF (retail value of \$45)†

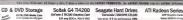
### All Look Unlimited Digl-up Accounts include: > Up to 5 empil oddresses

- ~ 13-kmind laternet occess
- > City Cond county floor > Customer care 7 days/week



Sign up Today at www.look.ca/home or Call 1-800-356-5665. It's Super Easy! 全新「中文茶品服務無珠」請電 1-888-333-0903

NCIX.com Great prices. Great selection. Great Service. www.NCIX.com NEWT ValueShipping on selected items. Ship many items. One low rate





AMD CPU Bundle Soltek Motherhoards AND MIN OF 1990 - CRI. FCT 87954 Rest Sink v. 4700 RPM High Speed Floor

Internet Routers

Palm Keyboard

Norton Anti-Virus

2002 (v8.0) Edition

+ \* WOT

40.4 Norcet 2

ME HOW STOCK PSS, 1947.

USE A Part Broderie CRCC PROPose - SAN

SNC 4 Port Router & Print Senior - \$333

SL-750055 Purolo Bar W. CLUD Sense A, 110000 Support, Audit, 674137 Selbok 31-85000 / Postlem 6 508

> ARR PE AREC PROGES

Motherboards

Ellin Group ECS ETSSA Socked &

jent Soute Se 1245

Crafte Inply 5.5 - MAI

The owner when the late of the Sand

Entireth,(350) 630 sets TX Surport Sound

Globate SA-WAY

190 Computer Speakers

XP1800+153.04



Athlon Processors

Sector A

Harris 154 Now 170 Saltest Silling Stag | Clinic See Intel Pentium 4

Societ 679 Processon (Betal) fruit

N 225 Db; 40056 Netwood 940 DVD/CDRW Burners Name (N/2,404) (N/2,504) DO-US CO-GU MON NO PRO 1000

COLUMN 1 7 CO- Daniel Sales Computer Cases og FS-710090 For Every 200 set FSI

Creative Audigy Sound Card WED ROUTING (DEM)

Size on to our month would but and SAW)

Ann STATES States Street Str. 1988 Designation of Section 1981 and 1981 an forced world; spessit refer to your enail by registering 9 men accurate/canada/combillerato

Did From 1-888-HOLNESS Supramer 484,441,4662 Not: www.ack.com

Storm, Support, Online Published and Shipping Storm (PET)
Non-in-Tri SJSS Star In SJSS PM - Sec. 30 AM to 5:30 PM Closed Sundays and Individual From the country before the first proper is according to 200,000

16 OPTIMES DATE DISCOMPLETE NATE ORDERS CHINAD CONTROL MANDOS CONTRACTOR



DACK TO SCHOOL SPECIAL!

Sentence built with 500 TTX housely bedook

Back-to-School Deals. Built **EXACTLY** the way you want.

Dylar a completely customized PC in fact there nary stress

AND PERFORMANCE SYSTEM

Darso 1,2 GE

MIE. VALUE SYSTEM

884

1472

EXTREME GAMING SYSTEM

Athina 17 1206-

Colores 1.3 ERI

NOX SISTEMONE NO PROPERTY 25Non XP 2100-

Indigin Western 17 from 2803

AND MICROSOFT WORKS SWITE 2000 (reclaim Year 2003) Warts 2003, Faculty 2003 & Movey 2003) to any spatiery. SECS

IND FERRIE DISTRIC Status 37 2000-

Men School-Claim William PR

INTEL STREAM SYSTEM

\$267-101E

Sens SERRy SIFE, DR. OCD LOOK

1260 BORENE NETWORK SOMER Osal Athles NP 1900+

IN THE R LABOUR MONTHS Samuel Deaths 1997 LT 20nm Down income IT 1999- New

ST She 100 Chap I T LT LT ST ST ST ST

THE TAX STREET, 1250 12700 12700/00/20W Print

**KEYNKIN** 

his Director in Po 302 PS



are you connected?

or well connected?



info@aei.ca

Call us now !

416-640-1611 1-877-305-4155

Residential

## HighSpeed Access

10hrs dielus access 50,000 news proups HighSpeed 1.2 Mbos \$29.95 /m

Ultra HighSpeed 3.5 Mbps \$49.95 /m Dialup Access

Fyred arrount 20MB 50,000 news groups

Ohre \$4.95 /m (\$49.50 Art) \$9.95 /m (\$99.50 Art) \$14.95 /m /\$149.50 /vrl \$22.95 /m (\$229.50 /yr)

### ueinaee HighSpeed Access

20hrs rhaiun access \$0,000 pean groups HighSpeed 1.5 Mbps \$69.95 /m

Ultra HighSpeed 3.5 Mbps \$99.95 /m HighSpeed Package

Modern / Bouter with Donard Web hosting 40MB

100 hrs dielub access HighSpeed 1.5 Mbps \$99.95 /m Ultra HighSpeed 3.5 Mhos \$129.95 (w oh Hostine

Virtual Domain \$20 65 /m ( \$200 50 AV) 10VB of web space

Intermediate \$39.95 In (\$399.50 (vr) 40MB of web space 20 E-mail accounts

Frontpage, ASP, PHP. SQL Evnert \$59.95 lm (\$599.58 /vr)

Frontzego, ASP, PHP, ROI E-mail only \$9.95 km (\$99.50 Avr) (voumeme@domen.com)

# To meltdown and back

A personal account of riding the technology bubble economy By Goof Wheelstright

great deal has been written over lenges posed to technology comand how the difficulty of hiring and the crosor bases to that growth. because world of 2002, many technolotak figuring out how to reduce staff and

other lived costs as broadly and auxide as possible, while returning their most talested evanioners and the ability to deliver their core products and services. other expherism was well to spok to norse deveters, Some beamesus for

ena of four different sets of levells duaffect to the fact that there is far more to-

I worked at two different dat comtext and online services through differret phases of the 1999 to 2001 operated by the TSE1 if was the compa-

ble cost we did not require to crastman an on-roung operation. It was consiste-

web stell by telling their that levell



live days to determine when, where, and shir chartned later for letting employees

placed with considerable care and do-A common should have so mad a here not being the excess to which a heoff proces should be taken as on

. What business are we really in?

· Cen that business became profitable

online shop selling vostage finds, for reample, may have put a considerable transition-emorate technology new may discover that there is a faclenghter fature for the company in protrapsaction handling technology to the refer operation of bridge-and-mortal retailers them in continuing to man its

Continued on page 34 menoral complete and complete and control of the complete and control of the cont

CD Display

- 1.00% AND Processor | approbable to 20% - CBS-serior 26:18:48 by Passersia - 1250b Descri Sc. 200 - 400, Thru £55 100 (0) (7270-yes) \* 12th 2020 Aughin Ameleste - 18'18 For Street Marie - 30 Secol Carl AC 17 Autho Color - Species / ES / Boom / Elie Toron Com - ( PROPE NOT THE LESS ) SIGN Codes Flort Presid



- PMD / CO BREE / 10-00 HD + 100s HD / 20 Greeking Video · NC / WE Mades / 32 Secret 1 SA IT THE SCO SEA Cater Dissoler - Aut St. / Salaton Set / Windows 17 No. TEL-416.757.8888



# Te meltifown and back What soutions are seeded?

focus for its resecuted operations, at mapped out with dur consideration to

seem that shore names that do not

But then other considerations come shorting down branch officer) whether whether or not a "tetention bogus"

you leek at the long-term ascens of

often come through being willing to

whole process is the people-and the them during this process. These who are pery recourses and values the contra-No one really wants to be "the noble mention" for the remedian engages velual may be the person actually dolore cat, of course, if the person conduction collective period of suffection.

the company are watching this process.

### Wistoken assumptions

And therese has probably the buggest triptake a technology commany can

In a smaller company, senior manan they will be doorned to lose many of

be willing to "sell" at any vision to the resing that those employees are being escrely lucky to here their solul. The technology sector is still strong enough

on easy solution to easy technology complen, its persons errorth strateries or

God Wheelworth is without a book on his wave-



THE PROPERTY OF STREET

The Ultimate® PC with the Intel® Pentlum® 4 processor has the power to handle the latest technology-today and tomorrow.



Table 1772 FO Indian Cost Selection

60GS Hard Drive 7200 BPM 32+10+62 COMW D Year New York
 A Storethy ACC-S Internet Managements
 60 Fargrane and Serves Inchese





### The Aphlever system with the Intel® Pentium® 4 processor delivers performance where you need it most

- Intalé Postlumb 4 Processor 3.00 686 - German Asia Methodolini - A USB Paris COVER CO-State And Sound Coop & Sub-Worker Speakers
 Sub-Worker Speakers
 S & Finance Orion

 5 Year Warranty
 4 Markins ACER sciences Mandenday
 40 Programm and Garrens Mandenday INCLUDED Microsoft Bundle Software Microsoft Micros 2000 Microsoft Drussia Every Speeds 2000 Microsoft Publish IT Photo 2000 Microsoft Speeds Street & Free 2000 Section 15 June 17, Street, White Cottle And Not of Process, White Cottle

410-221-1014

The late of

Achiever 1800 PEM

Achiever 1600 DDR to? Postbar\* 4 Processor 3,69 Sits: (§ but and with this pastings

Aghiever 1600 PSC





505 FLV I

TOO Managements St. E. 205-575-5404 Mary And Mary Spin

COLA N/N DAD

NAMELEON 1405 Years Offices St.

don tomering true, 905-002-5521

AND LOCATION BOX W 416-255-0306

5 year Tol Free Electrocom

# If you aren't expendable, prove it

### Ry Geof Wheelvright

What is the drover for the LevelD

potential lavelly at your workplace, is at a

board, or ealy within certain sets of

strapeling with a high deltr lead from aggressive growth, a string of acquirecentre? It seems like an odd open something to the market' so it can don, but the source could detersecure to profeshibly and benefithboost its share price to achieve further

If you are employed by a public comwiding a lot of value to your company perceives as they are about reality. To been effering their opinions for quate

> However, if you are employed by a ontraded constraint that is too small to be tracked by the business press or spa-Inta-ther you'll have to use your own some informed statutes.

Where do you fe?

Are you a profit centre or a cost centre?

The answer could determine whether or not you are included in the next round of layoffs where you work.



your own for taken on board the larger company where we work) you then research should have entire you a clear

you work is not in the "owest spot" of the serve as a warring to you Your division oxts and services year compour sells. In a downturn, the company may wash to sample will off your division to get cush profitious perspectate), then manage

Env. 415-222-8156

ment may simply decide to shut at dear A popular more could be raised within any "poor research" group in an organis uncloshedly a visid component of any times it will often be firmted to those

mercal products and services. And to Mazzwhile, if you work in the adversure you are oble to establish the return es cedy barely gettens by Oroce a pages. This is absent a challenge, but

Continued on page 51



M.E : 10.6



# LIATA COMPUTER Co. Ltd



3611 Mavis Road Unit 16-17 Tel:(905)804-9488 Fax:(905)804-9507



























SPECTAL Samsung 17" Syncmaster 750s Only \$192 \*\*Bring this ad and get \$10 REBATE for Monitor

### \$1238 GRAND P4 \$1788 TO CAMPIN K BAMOUSE POWER P4 INDER PURACHA FOR 600 \*50PCS BLANK CD-R 518 \*LOGITECH Web Com Express 1195 CHEATUTE CARRY (BALLANA) SIZMB DER 264 & SHCE HED AZAL \*100FCS BLANK CD-R 529 5 ATT RATEON THE STMR DOR \*F4.350W ENE FRONT CASE \$49 \*LITEON (IX12X4) CD-RW MIT EADERN SHIELD IZEN \*P4 LONGBODY 300W CASE 537 \*MS Internet K/B & MOUSE \*ATX MID TOWER MAN \$26 \*ATTRADEON 64MDDR VIVO 15 LCD MONETON \*16X Pioneer DVD Tray Black 579 \*ARTEC 32X19X49 CD-RW WOLE EN A OPTICAL MOUNTS MAN SPE WHEN \*D-LINK 4PORTS ROUTER 578 \*660W 2N-600 SPEAKER ET A SCROLL MOUSE & 480% BEST BUY TORNAPO \$1018 \$539 INTEL-CELEBRA LIGHE 463 DIDLONS LICENSES MSIGH MEGNENATY PATRICULAR POWER POSTERS NAME DOES NAME POTEST ANALYS INTEL ISON VINES CARD ARIT-CICAMET AGDEL cramen 20GB HDD ATA-1061 46FBD ATX MINI TOWER HIS DESCRIPTION OF CARD OF REAL HONT PO SC ON NE THE PAY HOUSE AND PAY 16/180 NIC manus. INTERNICATION POLICE AND PROPERTY AND PARTY AN CORPLESS WINN KET BOARD KINA SCROOL MODISEA MENTERS | KINA MODISEA SPK PER CORBLESS/SCHOLL HOUSE KIR & MOUSE & SPK SPOX BOME VIA ROSS PCCCAGAGE VA PERSO DESKTOP SCHOOL PARTY BOOKST 270 (HITEL P2 CPU) UCMATX DESIGNATION TO A STATE OF THE S MUNICIPAL DIST 12 SOCIECT 479 (INTEL P4 CPU) VEWSCINC PROP ATT DE MONERA #TLA-BANE RACIOCAL FROM BANK #TLA-BANE RACIOCAL BROWN COLUMN #TLA-BANE RACIOCAL BROWN COLUMN GENTLY TROOPS IND Speaker Althoughtone 455,640 1973 Shoe ATT RADICON 2000 SUMD ATT SAFECIN 2000 SAME GOS TYROUT VENTORS IS IN I ASSUREMENTS SEE MINNEY. ABUS YELVOOR MARKS SHIRE TV-C WISTERN DIGITAL KTA-100 20GG WESTERN DIGITAL ALA-100 BIGS WESTERN DIGITAL AGA-100 PINE 22MR PC/ TNT2 MM RE PINE 22MR AGP TNT2 M64 RE BACKET & JAMES CAN WITH VARIABLE

MSI CIFA 18400 TZBINB CICIA VIV.C MSI CIFA 18400 129MB CICIA VIV.C

HERCULIS KIND I NICO HARRITY O

PROBE HETA CHE TORKEM FROM ALMOND PERCENT

DEPUTES INCT COMPLETES SECT COMPLETES SECTION AND

ACASTRO INTRODUCTOR OF CARCO

PARTOR TROOPER SHIP

LARTIN

1008 WW 4200'S



LANSEY'S BUTTON'S MENTING

ICCY COMPUTER IC



# specially coded ordine offers that belo-

track leads from a single marketing centil address for loads, these wall, at

spending to much time to they should inhic the various elements of the cora-

tre, for exemple, you may be able to torace setafaction (s.e., this quarter we

incidents within \$5 mayors of the our

### Even of you work in a devision of the

money discolv-or soult in a direct you provide vital infrastructure compomoney. If your work is administrative, that the company would be very hard there is no direct evidence of that on the

It is very easy to call administrative Continued on page 52



combined with onso text error. The Learnary F210 laser outs these features right in your hands but at a take home once of sust \$250). The E210 lister - you'd owe it the

E210 Laser | 12 ppm | \$299.00\*

LEXMARK

Computer Systems Centre | CWD Solutions CompuSmart

### - YOUR IT CAREER > Managing as IT career Carbourd from poor 72

changed in IT in the afternuth of the detroom buddle, at its short becomes and no looper tolerate the isolated "alass programmer printflood dictates what a

and the beames coople roy work with be able to offer event solutions to busineo problems and be prepared to look

nets needs perspective, net a streeth As more IT professorale become sell by outsource musts of their IT require-

ments to consultants, programment, or business skalls becomes the larr to carper "Lesen store about the IT rescent."

Library, lowest trick to a public domain

yourself

lend your

orinians.

12 SYDWIG 241 THE CONTRICTIONS CAUSE EXCEPTIONS AND ADDRESS OF THE PARTY OF THE PAR

Tech access in schools important; poll A crosting to an Ipuse-Rent poli, 97 persent Canadian adelts surveyed consider in the same time most agreed that there were some semous barriers to student access.

A shertace of computers was ched by 66 percent of secondards and lack of teacher training by 92 percent of expondents as Burriers to reaking technology available to sta-

dects. Other obstacles perceived by a large explosity of respondents included absolute computes and software, and limited accept to computer time and limited limited.

interest both in encouncing greater guider properties on computer technology, and in

Forever, it is also true that IT employment is provinc three to four times faster than

basic requirement for most burniesses and professions, and a huge beseffit for most, is not

of marieth, stady and communication.

see and rapport to development and Singson also eccennesis realing a reduceds choser of Canadam IT organi-Capadien Information Processes

Sorate SCHS, at assumed and Creeding cheering of the IT Service If you aren't expensiable, prove if work a cost centre, but that can office by

companies, for exemple, how reduced and suited and actomaged vower toworky regions.

going to look very good to shareholders, requistors, or even your company's board. not otherwise how had to take. And And you cely have to look at the bus-

skills development, however, sen, include the natchy and incorpolete

-Juff Evens

Management Forum (www.tenton) for

vome people who bean their liver in IT

mens, MTML or other IT skills. See w.

same in horse on because they don't know

whether to press 1, 2, 3, or 8 to get the

Trying to save money by sack-

ine "bean counters" is not

neu dona't get messend.

nature of many beginners' skill note. "They tend to, learn cody thanes, Strawoo recommends the writings of

couck to recent out the retails as solvens

John Ketter of the Harvard Business management and leadership slefts for a (medicoloned ch.) "It's not crough just to [write] code

arrener," Strong urs. "Management IT has to propose business solutions that mempersent with an analyse of people and make a proposal. If IT can't talk the language of executives, they wen't get funding. IT perferences have to Si

nest pasts of any pressurer they days to know the value of good accounting country" is not going to look very good

	and come mad Account con-			994	was look scalar.	
Sendandor Committed Types 1 (vice) 1 (v	A many best Clarks	SONE BY THE STATE OF THE STATE	STATE OF THE PARTY	POE / Inventory colors Data safey, environing, Call County / VMV Supp 20 (ENACH)	er, phorning and metall 4, Sciencing Systems Institute vicenciae	Secondary EN



### Certs, SMARTs, Chips, and CIPS

A then looking for an IT yet, one of the most important resources you have is your education, beth in the traditional school system and in the

MSDN server and according to Microsoft

Scotle Corp. is the Depart database setnare publisher in the world, and a prefessionals are interested in Improving off-dyarted leaving. Ducle provides the

conflictation standards and course materiaal, openites its even displacerum travelero

dents solely towards their company's A more diverse and billianced source of

caterul restigions, such as commentiv such as ITI (event corp., or Bithersity of Cologon's Computer Applications Science firms offer interesties to students on a Casada for exemple, has had an extensive Microsoft as a reference on a resumé could

software application can be one of the storals, including the Canadian Advanced and the Enformation Technology Association federal government has become very active The covernment's Engayting Stategy out-

largest single employer of III professionals. tindecritor) for its computer sciences commission. The computer sciences

group in the federal public sorvice." organications is the SMART Taxonto group

Chies or CIPS If you want a career deviaming computer barbon other than without ordinore.

you're in luck. Canada in a leading product of eraphics card maker ATE at have substantial that land of job, you may want to streeteate the W.S. (Very Large Scale Introduted emit computer technology campas, the For a window on high level professional. Society (CIPS, at www.co.co) in perhips

1958, CIPS currently has more than 8,000 -Jeff Does

Continued from more 15

The Service supports MPS, WHA, and Audible formats and comes with a coming case and car caccerts adapter. It is both ecrete the storage crantity by 32 Pff. The Pio 900 has a supposted retail price

Coffware developer, Thinkfree Corp. Sendactivity software state available on CO-ROM. Built retrively for Mac 95 X, word processor, samedsheet and presenta-Thinkfree Cids and Thinkfree Show The download from the company's Web site. saite maniestly made and writes Newsalt Office file formats, offering

Continued on page 76

SEMBLE Dec. Supercrafts out has added the \$50 900 to to live of chartel. nemony-based player has 192 NB of built in support and a surbampable NIMS had-

## NO CAPS AND NO LIMITS !! **BUSINESS SERVICE**

3Me ADSL HIGH SPEED INTERNET @ BUSINESS \$ 69 95 PER MO\*

1.3Ms ADSL HIGH SPEED INTERNET @ BUSINESS \$ 39 95 PER MO\*

3M6 ADSL HIGH SPEED INTERNET @ HOME \$ 55.00 PER MO\* 1.3Mm ADSL HIGH SPEED INTERNET @ HOME \$ 34 95 PEP MO\*

SEN DOU-UP UNUMITED INTERNET SERVICE WITH S E MALE \$14.95 PER HONTH OF \$166.95 PER YEAR TROUGHT IN PROGRAMMENT, GARNELLY, BURNISHERS, CHAPTER ON ACTURENCE WITCHESO,

34 SPENSET 1962 THE COMPUTER MADE CREATE TORONTO-EDITION ANNOUNCE CONTRACTOR





# PNGEL

## Your Mobile Computing Specialist

# BACK TO SCHOOL WITH A POR ONLY (1000)

ANGEL 2500 SUPERIORE

Into f Parliament - McRes Steps into the situation in Line 80

- To in HOCK AND 180 His Light publisher in Line 80

- CO Medic And 180 His Light publisher in 1 Ext.

- CO Medic AND 180 His Light publisher in 1 Ext.

- CO Medic AND 180 His Light publisher in 1 Ext.

- AND AND 180 His Light publisher in 1 Ext.

- AND AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publisher in 1 Ext.

- AND 180 His Light publishe







DONA



ANGEL 2800 GIGANOTE

III. TITLE AND New Hole (BLACE) Distriction

and holdman of Labora, and have right in the right give Lab

BLACE of Labora, and have right give a Lab

BLACE of Labora, and the right give a Lab

BLACE of Labora, and the right give a Lab

BLACE of Labora, and the laboration

BLACE of Labora, and the laboration

BLACE of Laboration of Laboration

Common Laboration

Laboratio

ANGEL 3500 LCD PC
EYPT Ayes make 200 telescoles
And 197-197
use in horse as in Arthrit Regulation and and
the 197-197
use in horse and in Arthrit Regulation
and the 197-197
and 197-197
a





Street at Street Ave.

2,099



905-501-8375

36 SPHINES AND THE CONTRET INTO CROSS EXECUTE SPHIN AMMONSTRATION.

# Big-screen iMac bows in at Macworld New York

PW YORK-During its keynote

recently as New York Cats, Apple GeforedMY corbes class and 32 MB of DDR video EAM. The screen-winch has a maximum resolution of 1,440x900-bus a wide-screen format.

sor-as 600 MHz G4-as the existing Superirry, it is correctly selface on MHz G1 processor and GefrecelMX

## No free lanck assymore

free Interpet service, illook, will be



mers who says up before the end of

Correctivity and communication arrest GPRS critisky aboves tria helds, and shale it is level on open be added. It allows uson to easer control denor multipactions, a log, or stoler, one to mae This new server sell be new technology for "sutomitically disincluding worker, with non configure peinter and petworking companies plan acts, including Hewlett-Packard, Epson. open, IETF Internet standards. Other

publisher with Windows networks asset An ASSA-mentible "chat" chest (Chot, will she be included in Mac OS overing that "buddles," Users will be able to need Ultis in the messages. which can be childred to open Web pages. give Mac users access to America Mobile oncore to chroken dumor lates introduction onco. Nationally also saw the debut of lates from tay to bor-

jobs sho introduced iCaL a new turn one-better cubbsheet and subdiffer at Apple (on appropriety) or on a

4-PORT CABLE / OSL ROUTER WITH 10/100 SWITCH IDE ATA-133 CABLE, ROUND MOULDED WITH 3 CON. \$12 10/100 USA EXTERNAL ETHERNET NETWORK CARD. \$14 \$22

48-CD WALLET, SUPERB QUALITY ZIPPER & SLEEVE USB PEN FLASH ORIVE GAND W. CABLE, BOOTABLE. SOHO PCI 10/100 FTHERRET CARD WITH DRIVER. USB DIRECT CONNECT NETWORK TRANSFER CARLE. CAME DC-100 SURAM 16RPIN RAM LTD 0TY ONLY PROMISE FASTTRAK PCI TO IGE RAIG CONTROLLER. SYSTEM SLOT COOLING FAN, NEW SLIMMER DESIGN ww.mptcomputers.com

17" REFURNISHED MONITOR, EXCELLENT CONDITION 128MR PC-133 WOTFROOK RAIN 144PIN SOOTMIN STORE INTERNAL SYSTEM / COLL FAN ALARM UNIT FOR SLOT 925 \$1.4 PENCIA MITTERNAL METWORK CARD 10MBIT BLIAS \$22

# Hands On

Lab Test . Hardware Evaluations . :

# An inkjet photofinish

TCP Test Lab finds image output from

range of printer

By Dave Chappelle

Vol. days at the outset, all years

of the in print acceptable plantion on allmost case colorable
today. The Tour in allmost case colorable
today. The Tour in that summers in the
ter muths working sy your praint output tray soil very accessing as several
factors, tockading the number of this curtinging, the protect's re-obation, issue
type and may, and the paper sool.

One of the most assisting developments in the talger market is here much printer you can get today for a fairly modest print.

Deen is free yours ago, decoust subjet printers out second handard dellura. Today, 5000 sectors to be the applica-

prior, and acceptable output can be had fire about half abus.

Of course, you give up a few things at the law cad. Chesper indies printen sensetimes have only one cartradge, which, if you priest a lost of deciwhich, if you priest a lost of these.

has to be replaced when only one colour (black) has not not A firstly search and potentially expensive (depending on your printing domands) scenors. Fortunately, most asket pusters have at left they cartridge one black, and

## Legacy-free (or pretty close)

By Sere Carrothers

cong legacy-free has long been a good of many computer manufreetones and power assum—why lender year system with old technology streetly to marrian backwords computibility when removenty it will opon up more apone far new sechnology, and possibly technical epitality possibly correcting epitam performance, as part of size hospital?

Factorented communitative has been la

injucy-free systems. All you have to old, consuler Apply bettered document as the less feet year. The company has related a number of moreovire legacyfree products, but no societ had they been associated that putty peoperisated any with consume their "Moreovithe dispays". "Whereit the sental port per" "How do I appead this thing?" Membersary on the NS code of the





Sympatice





## An inklet aboutglisish

velow, and magesta into. These three colour complement, often referred to as feeed a another factor separating

est settings can really bog down a budg-Ultrantely though, there is a differscale There are some reasons for this,

mechanical cleans overall as higher-end that hader-end printers include that you won't find on bedget printers. practices, you'll find two variations in the

calcury, plus another two, sacrafy fight colours allow a proper to produce subTest Lab: Why ink costs so much

y far the biggest complaint about Ger readers is about the price of replacement cardindors. Nanufacturers also hear thro-especially when they Lagach a new printer line. Even in a large company executives cringe when totawing to another card against the price of replacement cartridges So, why are car-

One of the reasons can be found in their design. Many this cattridges include the

avolthead assembly for printers uppo-

they can achieve number subdetien using techniques like variable droplet resut-

tridge for each of the four or no ink

A relativity new development in photo tekets is lightfactures. Printouts en were notorrously wastable, often fadiew or shifting colours other a year on

two. For transitory documents, that was not a problem, but for photographic colours underlands in they are depleted printensking, g was a huge horststeen. Figure war of some way toward cobline busines no you ment more between carthis a couple of seass ago with a line of eriones that used Sobolist declared

the rok cartridoes.

this dealon, you're buying an entirely new two years ago. The improvements make sant a great deal of those, money, and chase a replacement tak contriduc-

research and development efforts Another mason the connellitheness of redustry incidars as "consumables," presing to the point that there was very inгесомоеб. Current prieter and rartifole props supthe costs of makes relief printers.

costs a market in which those who are more tale now more, while everyone ergous lower how can they coeffine to sell printers at toolway prices. Do burloury motor that has evolved has hashware onces solutive \$5 performance commuting to fall, while car--Jose Chappelle

> take read to last about 25 years without noticarble fading under controlled condrawn, and when used with special a mamont-based kilk that is rated to list! Other manufacturers have followed

Packard and Cason models can make Continued on page 42

Computers, Electronics, Housewares and Hardwares Auction Start Bid \$1 - Save up to 70% off Retail Auction4i

Annes and arter as descriptions and the second of the contract of

How & Fature to bed products backed by minimum 20 day swammed

# Symptom: Low speed Treatment: FSB 533MHz

Superb choice to speed up your Pentium® 4 processor!



























## An inklet photofinish

designed specifically for photo output, photo paper when printing your images. facturers and third-party sources. variety of weights and finishes, stantar to the veneties available for traditional

The difference between custool on a heavy high-gloss photo stock and cross

ware. Movem to sleavy photo maper is probably the single beggest factor as amenation the obots output quaker of ment software settings what type of Greeder a printer specification that cerrences player in the reput tree, but

er will produce a draft printest on that continues to confine users is the

4.800x1.200 dos. The first number refera to horacetal assolution, the second is down up to 4,500 dots of rak per bori-

resolution or dots per inch (dpl) not-

Test Lab: Canon S9000 excels at big prints

the \$8000 to the too model of three For this year (the others are the 5900 and \$5000. When you get for your \$500 is a fact air-colour printer that will pret at at lea se 13x15 in. And, to satisfy digital Canon rates the bightfiniterm of prints at

Caren Photo Pager Pro papers The relator is a 150 cells model from porting USB 1.13, and comes with drivers and Image utilities for both Windows (SE. Seconda Caron does not implain a 158 cable with the contex so vou'll need to make that additional purchase if you don't

Setting up the printer is relatively straightforward: connect the cables, load trictes. The 59000 uses individual car-

separate balt separate salies and Markt. The slots and cartridges are colour coded to help configure them correctly.

Canan 27000 Bustonlet

ficing a tabloid printer, the \$9000 is become and heavier than its latter-slee bothon. It measure, 57 bitt 429 5 cm a cleasant surprise therefore, to see the in short celer. A full-page image on let-11 MB file took less than three minutes to print out, even with the printer on its habest queltly setting Likewise, the rue 13x16 cinsus photo paper from a 25 These times are a lot slower than what private for letter-size, 3.5 nimetes for

ers taught as to be petent; they have

before purpose is to inserve colors computer through the prieter spirity's found the prints to be quite satisfactors to favorespecial masses we'd taken over Fulfilm, and Cance cameon in our tests. mality 3957 spages from an Discress 4040. TEFF images from a Pulifilm 6900 and RAW files from a Caron 62. unases were interpolated 199 to 179 pertabloid dises. We were outle responsed by fidelity with no years of rappiet or other

artefacts. However, hask: flavs in the inage (e.g., off-colour dicital none creet-Tachelesi nets: We did not relate match the printer to the moritor for sortthis proter is very good at handling tub-

- Great Yosoko

tridies for literals links fount, bold own. www.cty.ca AMD XP 2000+ 4.750b (Tube)

NA 1.8A/2.6A \$915/545

are anneal to though although minute and although the cost of country it many responsible to

per vertical each. The data are so usuall hoard. The system was running To measure colorar pents speeds, we However, were pair want to cancel For this Test Lab, we've broked at a metalizar realizate printer dayers in XP. shots analyte services results in homer more whether you need to point at that record of counters in different conce care. smages, but slows down print sobs Wir've been sold by some primer nonspeeds entrus while reducing quality siftened all dansed a photo output A moor factor when coundering a catability. We consected there to un printer is whether or not a wall fit in the anyowement in corput goodly dames Thornhill Location More then just menitors 100 Look Cros. Unit 3 TEL: 105-771-2818 TEL 401-746-4058 400 Aur.-Fri 13 50cm- 67 50cm WWW.MONITORDEPOT.COM hert arrive, don'tur beset is not responsible for transposition array NEC MISSISSI CRT Monitor Toshiba er Gatellite HICHTSUREH 11.30 MICHITELETON Order Person Great Sirt Stillage or William 160 BIND OF ARTS SF MAD MIN OF PHOSPHOLIC 20 t. to If the name and MINIONO SIN OF PHILIPPACED STOR OF STREET OF REDSAGE Dis C franchis - T206 SER OF FORWARD WHEN THE PERSONS ... BUS IN MICH THE Dies IT THE RAPE SET C 1/000 P.OS or HANNING DISC OF SUBMISSION B. SH. M. LLANDY CO. SUM IT THE D. NO. of PROBANA BURD OF MONTH O LG F 850 D'S OF CHIEFLAGO SEC OF CHESTAGE \$4.90 or water these of Professional State AMO XP 1000 Eyeson \$1000 Seed P4 1 60002 System STORE OFFICE MALE BY COMPANY Personne 1,4468/700 CHEETING DECEMBER AND SOOR CORNERS WAS CASED AND STOR LINE AND ADDRESS AND PERSONAL PROPERTY AND TABLE AND ADMINISTRATION AND PARTY AND RECORDS. Video Card 1550M sco FE.770 cm SONY FTERBOX OPTICAL THE PERSON E99f on 171P LED 252DE CO G410R ctr 1518 400 F9000-cm \$1,285 Egas VE 195 LCD 1700Y cm 18x DVD-\$59 FE \$91.00 101Tum 950B-cm SECLE LOS 1850F LCe \$1,350 1718 cm Dismand VE 700 (co. 955DF ---191T cee \$1.520 Pro 920 cm 1929HX : \*\* 12405 5166 Esteen 250 SDMS#1/Buco DVD/CD-RW L1800P (spins VX 990 L00

# Looking for the Ultimate Performance for Your PC? Leadisk and WITION have designed the complete solution for you.

For depth ALE, Joseph Ballerin - Giovanning Landes in authorities - Landes Viroland Color de Landes Viroland Color de Color de Landes Viroland Color de Colo

Postantini Humaneo

A disable Window Known Christian (1970)

Leader Window KNown Christian (1970)

Leader Window KNown TV (1970)

Leader Window TV (1970)





#### APROVED ROOM AND ADDRESS. able has classer "usual feetween," some

Max. wurkston 1,880x720 dox

COLUMN LIGHT SAN NAME Pents SOften

III BACK

916 HD01.44F00

manufacturers don't exclude input and of a printer. We think this is minleading. most hirses of the printer with truss fath model. Dimensions are recognical in after of width by depth by height. On models with serviced insent trees, reserveher to allow for paper height when determining if your printer will fit your



The software contains detailed us, securing, and treatmentation the

grass three times before we were rate. fied, but that is typical of salget photo

priori seb states, crespleted mesos, tione superviewent ten. Arcfold Floto

bandled with the lipson authors. that uses Epson's hybrine unles, which The manufacturer doesn that uset is capable of presting 12 years per minute before fiding becomes potposble. As a time and effort to set up then many

minutes, 15 seconds. At the factors settes. Learner's doesn't make dedicated as Precision/boto on the 255, that Both pendid and USB connections imposes as bandling of the solele tex-

less printing by purchasing a repense emphic mees printer's parallel poet, which well talk to nen/helmunkitchegern), en Epson-

ed by major digital camers manufactureers. Its makes among proving opier without receiving a lot of memoralities and On specialty media, especially glossy

From Lemma Association

While this four-colour primer un't the despet in Leural's broup, its the

tion page. This speeds setup and Automatic paper-type segung (Lexister calls a Precision Sense) means it detects pour paper choice and adjusts isk output accordingly, Software and-

Automatic careridge elignment on this

neights means was no longer have to print a calibration page, then determine

Instead, during setter the certrider heads

\* HANDS ON >

JPER DEA















SEX KINE CERFORE SIDE VINE For Morient, or









































#### Test Lab: Wireless network printing wither ad how as solventructure made when a very title a decent colour printer.

Jeffice or home to have access to it. but running network rabbis lineshes

If your budget makes the first charge unrealistic and your spouse feebils the

network penting solution. Epson has printer, celling the workers area, server the CEONN

for those already using workers net-(for Marci), PC wireless access points, and adapter. It follows the 802 15b and

course, it's not completely wewless, as

setting up the wreigns connection, Bon's those terms are as complicated as it gets. The COUNTY over the standard four colour over, megorita, velice, and black (CMVS) curtildes and offers a maximum resolution of 2.880x720 dots per rech.

Installation mental were thorough Our Basics saids, software CB, and profile

umale full-colour photo with wyclessly to

188 CB Bundle

**ROMINS, 700MB** 

winters retworks. Wireless Equivalent Evetword Office can be \$4, or 125-bit. The transmission speed, Software difficulties with the Belido WAP provented us from fully testing the printer with NE? Egyan cleams the CROWN can print up to

28 years per moute in Mark. When con-

out tips holds 10 sheets; regul tray capacrty is 150 sheets or 15 ernelopes. Way man requirements are lasted in the

aduses and CD ROSE doze. The Erean CROSS is revised by a one

-- Door Chooselle

			_	
SERVICE WHILE YOU WAIT	17 Compaq Monitors \$139.99	BUYS NEDY RD. RTS AND REPAIR	Rupe Variety of Power supplies, cebles and drives	

com-
ysten
W 85:
99_
ut A
AMB
256

\$25.99 SPERMENT WAS DRIVING BUT COMPLETED TO THE SPECIAL SPECIAL CONTRACTOR OF THE PARTY O

THE REST BETT 1600 AMER Actions NP 1000+

256 MB Memory AO GO Harddring 7700 ram

0.5 writer 3 Years Werr, 1st yr. free replace-

RA 1500 MRz

At the Bereichter

250 0.530

New 17" Meniter

1 Street 5.1 \$40.00 or Passes with

ion Darrie Saucel

erds and Speakers Pioneer

Annet SE \$14.95

DOWN / WHAT \$440.00 HER Ress Lev. Modem \$14.00 Port 187188

ment Cit Writer, sulpreeder speakers \$37.99 Keyboard, monte \$500 00 Callab A. Port Booter DI-SM. 2055 480 105.00 16012340 wither \$50.50 ACO MIND 77 80 700 ARTISTERS wetter 29.99 PARTIERAS LE Wellors \$12.00 27X10X40 LE writers



## An inkint photofiside

chasses are a race touch, as opposed to fferois.

PDF file penetral in nane missates, 36 rec-

Inter.com Computers inc. Store location opening seen August 17th (Tables orders now)

Onleased AMD' Duron processors Support 20000s 203

ACT? Rudio Coder: WIA" WI1612A

Hetherboard

Max molation 4300x1200 de

Enjagrant artists, UK Statis TO Highling.

MEE Sessinger: Later.com-computersburgestico.co New Store with new Ideas.

We are eval! 7214 for in etech expelien. service & tech Support there of technical suspent with large cornerations. We will spend the time to help you make the right choice.

Back to School Special (Descer and Better Brists Straig) AMD' Duron processor Duron 1.20hr 17' Monitor included

Six' 7100 single chipset with following features:

Integrated advanced 128-bit 33/20 graphic esgins

model definisely acts highest marks for

HP makes a accurate fire of photo-

olyce printed by offering a six-colour shies with two cartridges (one black, and use A disktory, which retemptorfly tome paper over for double-oded print ere, or also ensistile or an option.



Networking was relatedly semple. diebth and used an IP address we know

Brakement cartridge (Est proci), SSI 95 (Nack),

may a built in proverly interfect cord printer offers excellent resolution and

calcur salt maters handles photo printphoto curtridge

Automatic custoder absorpret cutt setup time and the automatic paper type according to your paper chescs.

The saws that fold into the prayer the ryescal senarate trays that attach namer (level or letter) or difficult paper

notebooks.

Continued on page 50

It has necessite paper-type setter to it buck panel. The software also has a pro-

Solver for the Dokker \$550 will The software indicates sale levels, but

a problem union voy're attemption to morrial setting, our 30 copies ficushed in quelty

were cours longer than trafficoal

. In home delivery and setup-. Configure your current intermet a small satur to new PC. egacia qualities have, prime are subject to sloop without notice.

EXPLOSIVE 2.40 GHz upgradeable

740+tax



Stylish and Pewerlai Service and Figures un 2,4 60% lides Feeting & - 24 On hot Perker's a h I GI DDE DIN SERAN g to 64 Ad of Engineed Showed 208 266 Veloc 64 ME DOS AT Mobilin Referen 7500 Wellen Quest of optical stress Support the applical drives

\$1699-D: 1597415

**Nobile Workstellan** = 2.4 Orly lette! Personn's 64 at COLAT Arbitry foder: 7500 Veh Check of optical direct: chustow, INC COURT IND CO-BY Corel-Summer: two explicit driven and up to 4 HDG

1-877-8480000H x 217



#### - HANDS ON -

Test Lab: A network printer for your home Software Indicates talk levels and novethe work "redwork printer" tend to a tech cook, after all), and one of the comme up images of a liq laser

how to work on seother task or take a Over the network, the 20-may PDF

availty lower) had we connected direct-

Residence curtoday (RC people SNR Chied), SNR

is characterized by its manufacturer as a connect this printer to a consouter to USB comers cable directly into the top-

TORONTO

Continued on page 52

reteter at work. That whose is becoming less and less true, with home overs setting an local area networks (LANS), either for a home office or just to

the Internet, high the introduction of a ritate recognition from crieder manufacmonth's lab report, is a very affectable

networkers constructed into account or adoter with a price tax of under \$300 bility proviously required a fairly costly adapter or a specialised rester with a built-in print serves, the price point is man more recognished and your district plus et ente vour routen/hab via standard

home was to set each of the computers or how the computer was connected to Intaliation was pretty smooth, with

the printer properly north eway Gdely, the is night away, but write chalking that up

machines were running Nindows 2000 and was a persyant fractal, it located the printar and wa were on our wire. These was absolutely no problem with printer was already in upo, a notification annessed on armen tellion on that the available or capcelling the print reports.

local autority proper the emeter a differset IP lease. Boast we didn't hime scuter was unavailable, and prives as the

> T:905-4151182 2 20th Art NAME OF TAXABLE PARTY.

> > PLATRY LINESCOK CHES

should also be able to gut more than one to ween about confects. Installation on our Windows XF hos. the

7 DAYS

Another notineptly feature of this

er is not If-specific, so if you have to

printer cycles point up with the rest sols, as No have a small combination was still pellos (the spedires is done on each 2000 COMPUTERS MARKHAM Pacific Man, OFFICE MAN



25MM 50R4M PG-133



M-F+11-7



VER 200, 786

WWW.NOTEBOOKSOUTLET.COM

\$1400 DECTROOPING

\$1740 ser residence son





# Internet Access as EASY as





# Manth Special 1 Year Special

255 - CREWITS Son. - ALKRYS IN. - SMb ADS

UNLINITED ACCESS ALWAYS ON 1Mb ADSL Service 5 E-Mail Addresses

FUSINGSS DSL 1.5

- UNLANTED ACCESS
- ALMAYS ON
- State IP Address
- 10 E-Mail Audmans
- 50Mb Was Space
- 30ms Five Del-ad

Eusinoss DSL 3.0

S - UNLUMITED ACCESS
- ALMAYS DN.
- State IP Addresses
- Size IP Addresses
- Madern Rentel Inc
- 30ths Pase Dick-up!

Home Office DS0
- UNLIMITED ACCESS
- ALMIN'S DN
- While Hosting
- 10 E- Mail Addresses
- 50 Me Space
- 25ths Fire Dail-upl
- aren 50 L 7 State

SS Can't gut DSI, norvice all your business? NO problem? Globally can a provide High Speed ISON nocess to most acestoric.

We've does hosting with-sites since 1999/ With rate plans to suit your needs there

Host your serve our state-of-the co-location facil Perfect for high high security re What's your name?
Need a domain name
we can help!
- oom, net, org

W 横網络統

416-385-0459 http://www.globility.com

Premium Internet Access Since 1997!

164 Semenyk Court, Suite 101, Mississauga, Ontario LSC 4P8 (C) 2002 Globing Online Inc. All Rights Reserved. Prices subject to change without notice. " HANDS ON > In standard made, our 20-case PDF Photo Marrata and Photo Core). The Continued from poor 50 left papel of the printer (works only with certain Cason degral carrensi. On many from this protect at 25 years. seconds, with some grantiness in scene least a memory card into the enboard The solvens allows for a great deal of The exceptional output quality of a minter introded for obots moses really SmartMedia, CompactFligh, and others printing a soli on automatic, then change must be seen to be appreciated. A concurble reserve the trouvalities. Cocused both adapter to speinfed). code the TFT port. An optional TFT to menual and compare rando. Manual Canno has prolaced this printer with has default arrange, allowing you to take the \$8300), but only the \$820D was avail shir for evaluation in time for our deadneed act used when printing inner control gradually as you learn which colours was want to estendly and which indicates status of the worst selv tees indendual carteriors for each MARKHAM MIC Matheson Blvd. E., RC 150, 215, 217, 512, nfonec 10:30-3:30 Computers Supreme 309 Mome 409 CE KIBSA ATA MB \$245 Biso Darve ACMEDICATION AND ADDRESS. Marie Waller \_22

Lagacy-free (or pretty close) Continued from page 58 reputation have been a bit more

OK, a lot more caption. Though a number of companies have tabled it up, sery few how bow how willing to put their movely when their vision is and actually chemistic all of the old technology. Of course, our of the higgory problems with trent to no linear few it that the

adainty movis or quelify that come thing considered legacy-fee today will quie possibly have components censilend "legacy" within a few mentis. The excepts, one of the "legacy-fee" boards we currently hore as the lab has IAIATIS consections exholent for band drives or IAIATI, but by the sed of the point these consistents; may have been repliced by Senial AIA consectors on the nesent

If you're planning to upgrade your system so it's legacy free, here are a few things to keep in crand: Make saw you have a USB kerboard

handy—the FS/2 connection you may have used in the past will be grone.

\*Too may not be able to play in both more and keyboard white sexua up the system, sust with keyboard only of the system desert respond.

\*Any derives you hive that use purallel or swild connection—such as prin-

ons, or plenders, or chighd cancerawell hire to be replaced/suggraded.

Some offer hand drives may not work properly on finiter channels, appearing if nined with finite drives (especially true with ADIASS). Try to suggrade your hand drives at the name time to

pour new interface

If you have ISA code in your current spitcm, you'll have to move them over to the PCI but or you motherhound that has the functionality of those

Eliemet, etc.).

Chances are there well be enduator both USB 2.0 or Firel/lier connectivity on board. While USB 2.0 is designed to work well the older USB 1.1 if demons, you'll probably waste to supprise and USB halls you have to 2.0.

your attached devices.

Oddly enough, there may still be a contactor for the trusty old floppy disk on the motherboard—it seems to be the one "linuxy" commonest that

Continued on poper 64



werondomparcare the control were Court transcotion strawer and \$2

dollarhost

#### - HANDS ON ports. On the other hand, then't still completed when we shoulded at and Legacy free (or pretty close) Continued from poor ST troller worked just fine with XII clari-· Chances are you'll have to ownch to a taking up extra space in the system. All DDR or RDRAMI when you move to the USS 1.0 posts-support for 10 m provides great performance and a branch feer, but it's a very anable and modern the same time, your swokerhound may Debug w change aude \* Setup of the board west relatively servethis through we secret table to use tors, so budget a bit extra for a new tene during Windows XP annulation well the CS was metalied, and thence AfricoitP and VEA KT) (is cheart. . It's very possible that you may have to Oble described. CD was fasty praietzforward, allowing a lot of the new components will not . Sw.404615 variety, load of which can be conall of the components to be updated faror older OSes Consider the sourade more, four half in (258.11 parts, and support morall the OS to a hard draw on one of - No diametric LED the RAID suckets-when installing to dress everytime satisfied verbeut a The AT7 is the TT7's outer board, with a for Albanizolated differences, While We were able to set our hands on a strong away a list of the old technology After castallation, the bosed recorded the funes AthloaXP may not provide crapic of new motherhounds from Alux the same raw power as the fastest are PS/2, smal, and purallel perts, ISA reliable performance. The sadio compofree, Following are details of the bounds. www.eskynet.com AND ATTECH UP 1800 - TV Name WWW.eskynet.com and advantage of Print Adda from the who bloker Trzeses? God 1916 TV Dans, Major HTK, TH Redie Stat Hard Brice \$165 and Video Capters All-in-See Cord an last PRO-2006 of PRO colleges The Samuel & ARREST Statements Street Anna COST AND Steam Come on MARKE Present G 32X16X46X CD-2W \$80 and the life house in 1988 from WinERST MIN UP TV Tuner



### Voodoo raises the bar... again

#### By Seas Carruthers

both anchetically plenting as well as because air can out properly).

savether with consequently available

avadacts (cases, mentors, kerboards, etc L much of the system may go in for tions, Vendoo measure my varrante

We've said it before, and we'll say it again: Voodoo huilds the cleanest systems

When you special order a visters from any orders owner regimes their own

object (because the tree performance Here's the coeffiguration Viodoo sent

Ebenst.

. DD CE Wesen Dgol SE had days.

. Please HEATLEHING CD RW dave

\$399.00

Communication States would Private

Square 200A Queen St. Seet Lieb \$27, 415

TOTAL DESIGNATION OF THE PARTY SECURITY STATES COMMENDED States of States of



MULTIMEDIA

VIDEO / DV DLE

3,495

NEW PIONEER 104

PINNECLE, SONY Pro

INSCRINCE, JMI Do

CANON, MANISONA

EDDIS, DARRIW, SOUR

CHANGE PIC ATTO

IN SYNC MORE

HAUSED HIDSHALL

CARNO-EW DOVE \$495

VIDEO / DVD

7,295 MATROX RTX.100

4,595 \$3,749 ASUS V8440 Ti4400

PERSONAL GPS News Set Lost Agoin \$499

Office Hours Mon-Pit Steen-Spei, Salamby Stars Ages, S.

1827 Finch Ave. W., Unit #2 Toronte, On., M3J SC7 Seb 416-445-4455 Fee: 416-645-2233

INFINEON, QUANTUH, ATI SEAGATE, HANTOR, ELSA MERCYLES, MONEER PLEXITOR, CREATIVE LAKE EPSON, LOCITECH, SONY

MEWSONIC, LACIE, USE

SAHSUNG POLK ALTER

11,295

HOME / OFFICE

12,049

Canopus MVR-100 WCD / GVO Sunding \$1,09



idea raines the bar-assist.

. Represent lighting let for illuminating the

Total domain an openingred (at time of

writing) \$10,467 57, plus shapping. The renow are deflorably subject to charge. especially with the volatility of the industry, but chances are that the proces-



The prior is definitely an exercipence for those of us who are accordinged to desides motors designed for everyday Power users, on the other hand, and

loss block to own but an end at the price. all of the components included in the

ceirs attention that Voodoo puts into process down to the paint job and mort-If you want to lower the prior some

Web arts, you can conference a system how such choice affects the bottom line for example, the 22-inch mosters included with the system alone adds Assau, we stress that this price point is for the most powerful configuration that can also configure a system with a much \$3,500, for example, If you go with one or EGAD II, you can bring the price

have to pur for shipping, unless you want Vanden offices in Calcury, Budget

between \$150 and \$200 for sneared air As rouff expect from a system this Frese who want one of the most powerful and coolesi

everyone will order one of those units-

#### Legacy-free (or pretty dose) Contract from page 54... write—or always, there things are sub-

four DD8333 modules, as well as You're going to lose a couple of though,

hopefully you won't need at emshow), as USB 2.0 and 1.1 ports, messeng world rou're ming for which US\$ devices. n's still a responsibly attractive combo for

## Abit Media XP

media friendly, the Media XP sód-on frost of the Media XP features two USB

ing Tree II CompactFlash a bandled remote control, allowing you to player software.

20 ports, one FireWire port, both a

SPDIF optical putput. The front also fea-

radio component Depending on the cables struce throughout the case It can

are besden left for the rear bracket OLD COMPUTER I

PROCESSIONAGE SO GLACK FOR THE LAKEST PRICE VST SHIMLOOMICOMPUTERCOM

HATEL NI MAN . \$939

Previous August August

SCHOOL & FRIENDS

# OOK4COMPLITER more \$350 . mm\_ \$739

AMD INCOME \$369 W1104, \$569

6336 Street and a company of the INTEL \$1320

BRTEL NTS 3

Veccessormances

394000 H 14 GLGG.

Westpolikour pulmous CALL PROPERTY AND ADDRESS OF THE PARTY AND ADD MONTO

INTEL.

Percusakon pulmour HARD DRIVE

FAX MODEM

manufacturements on DECONFERENCE CROSS TARGET FROM STEAMER AND \$6



# BACK T SCHOO SALE

MICROSOFT 2002 BUNDLE INCLUDED

#### TERRIT, DATES OF THE HERE ELLA PERSON IL MODERNI COMPTO PRO PRE MEM. THE

OTAL PRICE FOR RITAL YERSON: SAST, 95 HORE COST WITH MOG YESON OR HORESON SYSTEM PROCULSE; \$4.00

















MDG Recommende Microsoft\* Windows\* XI MDS PCs use geneles Microsoft\* Windows www.microsoft.com/pirocy/hewtetell



# Small Office Technology

# Securing WiFi networks

Wireless hubs attracting unwanted surfers

# By Good Wheelerid ra o you want to offer wateless scens

consequely referred to as William an accomplish the, you may went to think supplex of window security according. trecting personal for more and a taken

based Network Associates McAfee coall baseous year be implemented "There are nome many possibilities where, without entering your building, I can pull men your purking let acadege. scary thing from a view atendpoint is



art sowers to double cludy on an attach

cle. McGer save, in explorers the

#### Security consciousness raising

Soltrus Web courses target tachier and con-techine slike

#### By Davy Changelle

ed for security, few can be betterned to leave the martical

Miles was the fast hime one chanced your nature difficult, so had seeds move

on to an easier tarnet. other interested many challed tood security comulting and training five You bur a wanter network scores

Prenctor of product marketing Arkhorus



#### dicrosoft

"Nobody told me

there was a virus attached

to that email."

Introducing desktop software that's designed to block unsafe email attachments before they spread through your system.

It's just one of many new security features included in Microsoft Office 37: And it can be'p protect your entire system legislast wruses that are spread via email. Office 37 also includes enhanced security features such as decreal states and privacy settings which help

set east betwee \$13.2 billes in 2011. 100 seens the Window, byte, and brown here know hashin soon dark the goal soon, dawning is Chapter settlemen here know hashin soon dark the goal soon, dawning is Chapter settlemen here also that the goal soon of properties seen that show and calls but lay or does it not syndroid. The principles of soon of soon of the soon of soon

> the same time: Together, these features make Windows XP and Office XP our most secure desktop software ever. For more details on how Windows XP and Office XP can provide your company with a whole new level of security, contact your preferred technology window or vivil us at "www.microsoft.co./doubtop



to encrypt files and folders and do offline synchwolzeries a



#### Hot spots invite public use of WiFi tools realished and striffing one can can

put in charge of angienesting wireless avera whitness they senerally not FPAme should formed the more first a not

Many strand businesses, of course, do fessionals and network administrators

proactive in little they deal with piecesrare saw victors like Melson and Love used McAfee or Syrmeter (Norton Antivarial? he explains

So where you it coming from' The

users are becoming security risks by intelline \$60 11b-hand acalem cutworks without the necessary safeguards, I up on the sent beside me, with the wise

> head pressles the Refresh button available entries network) wherever it

> and I slowly drave through the neighbour-

all the recent stores about how

works of I had taken more type (and had

on your 662.15b-enabled hamfastd own. should not by this at home Hill for my and countries amongst your weighbours with your natabash computer filmed open on the sent builds you).

I succeeded in getting wireless Internet access from two networks....one outside some-

body's house and the other outside a school.

cost number before use are rounted any To rittee such as Say Francisco, you can

real or reduce fourly us the ones of Maria

The coal of these orthodoxis is to have reough participants in this sharing of

have fee broadband writing whereast

the hors that it allegedly violetes the In some areas, however, wheleas netwhether they will cost down on this

These are "western network seither" 50pcs -\$19.00 Low Lease Rates No Payments Price Save on lnk &

Quality Toner Cartridges

СОМВАЛ

Ellawiett-Packard

--- \$749.00 P4 1.4 GHZ

\$4047.00 Upgrade Specials

\$1947 00



# Don't drive to the city!

# Now, get your copy of The Computer Paper closer to home

with new, convenient box locations being established where you live, you can pick up a copy of The Computer Paper any time!

sd® 853 McCoreas @ Lieguage 3kills & Training sd® 3323 Highway 7 @ McCoreas sd® Markhare R& Alby 7 ® Markhare Corn Ctr sd® 44 Main 8: @ Spen Computers sd® 44 Main 9: @ Enhanced Sopressions

90° Robinson & Markham Rd (§ Scotta Basic 190° 1118 11th Ave 190° 7725 Birchmont Road 190° 1000 14th Ave - NEC

spoli 600 Alden Rd spolit Alden & 14th Are spolit 240 Raviera Dr spolit 14th Ave & Woodbine spolit 7800 Woodbine

190<sup>67</sup> Woodbine and John St new bus seep-190<sup>68</sup> 2201 John Street 190<sup>68</sup> Steelectore Road, put south of John 190<sup>68</sup> 2660 John Street 190<sup>68</sup> 2000 John Street St Leslie

Richmond Hill East Beaver Creek @ Roday Moustain High 270 West Seasor Creek Drive

Markham - seetiment yeth Stepard & McCowar yeth Frish & McCowar yeth McCowar, yet south of Highway 7 yeth 19 Markham Road

yg<sup>ge</sup> NoCowan, yes south of Highway 7 yg<sup>ge</sup> 19 Markham Road yg<sup>ge</sup> 7676 Woodkeye Are North York Wison & Yose

Wilson & Yonge Yonge & Hollywood Yonge & Hillones \$355 Yonge Street \$450 Yonge Street Yonge & Upper Midson \$150 Cty Centre Yonge & Species sg81 Sufferance & Kennedy sg81 Kennedy Common gust south of 401 sg81 Element & Kennedy sg81 1420 Kennedy sg81 Kennedy jact north of Manham sg81 Kennedy & Forbes sg81 Life Kennedy

up<sup>(a)</sup> Lawrence & Kennedy up<sup>(a)</sup> Eglence & Kennedy up<sup>(a)</sup> Sheppard & Kennedy up<sup>(a)</sup> 1412 Kennedy Rd

uppl Kencedy & Finch

up<sup>(6)</sup> Fred Valley Or & Man St up<sup>(6)</sup> Markham & Hwy 7 @ bus stop up<sup>(6)</sup> Carrion & Man up<sup>(6)</sup> Kennedy & Hwy 7 (8) has stop.



SHALL OFFICE TECHNOL

Security consciousness raising Continued from page 62

tion is a barrier to estine communication. By making the material already effered in classicom instruction analysis estine, staff in all departments can learn about security practices, not just the IT direc-

The multimedia features let students absorb information through two learning styles: visual and aural. (Sorry, tactile learners, online courses can't offer your preferred learning style—yet.)

ow pace, at the office or at home.

A this of searces and descriptions is at several transfer of searces and descriptions in all several transfer of searcest and the searce of searcest lateratura Searchy Fandamentals, and lateratection to Crystography Fash, Web-News or years.

Each Web-based course is designed around full-day classroom lessons currentby offered.

To take the courses, we registered with

Solvas and normal as reder confirmation, logue, and gasanced via exact, to saccentrally logue, between restrings must be wide open; meaning Active X. Javasceptus, and coolein must be enabled. (If you don't know what those an, your invested to probably already wide open). The course legisle in a separate knowred wide with assessmen beliefs or at the red wide with assessmen beliefs or at the

saction tidals indicating where you are in the conne. To some pages you can choose to "hele the opperts," which are audio tracks of an authority registering an opper of security. A still image of the individual accompanies the audio tisels. They can also office on a "chalidoon!"

het plays short Rish-like lessors Rishet plays short Rish-like lessors Risheting security business. Bandwicht persidentices prevent the se of overly fancy graphics, but the samny is good.

absorb information through two learning styles visual and aural, (Sony, tactile learners, celure course can't offer your Contravel on soon 69 answer was that they come from small businesses, who didn't know they had to could headle IT issues. In some cases, math of these varues, NicGee says small

Serveter WSE nebender

McGee stee "They [small businesses] consider g to concerns. The turning

and vergen.

Then if you are a small cor you can

High-tech hobos mark wireless pathways

works to tap into white out and about and margained, describes a recent idea that

less networking standard) uner community work access points with chalk on a wall or

can besefit from the bandwidth to check email or said the Net. Drawing on the history of June. Junes registered the domain www.voctulurgoig and started a site deducated to

Copenhagen, Denmark, Santa Noesca, San Jose, and San Francisco. Calif.; Seattle, Wast.: Selbetone, No., Charlottescolle. Vis.; and London, England. Jones' home town. The side has even integered speeds on the idea, including Challichallings, by Weblogger Gary Tarrier poses symbols challens can use to mark stationers stopps and other places that sell challs. July the Montan Chronols reported that Stefan Public, a contrader service analyst in Houston, Tex., and been undicted by a grand pary on two counts of fixed for allegedly

X

-Storlere Myen

technology officer of software most Computer Associates, veneless security If someone in a small company access to the commany network and create that occurs, they may be creature

within in large of discovery and on

that distribution for a 30,000-corr envi-Network Associates is not the only perhodarly about creating solutions for According to Yegesh Gupta, chief

Fraheren 0 FO B-700 2 WIND PC133 SCHAM 200W SFX Power Supply

-RM 20G0 ToyarSto E120 www.perfectsystems.ca AMD XP 18004

Options tresses as situated to change without notice.

6639

Computer & Network (Capada) Inf 759 Open St. E. Torratta At Open E. & Standard

With Size www.JPosts.com, Business Heart Mee. Sec. 50:00 - 15:00

work administrator even makings it has

pumber of new warden proyeck man-

5 78



Security conscientment curron

those succions. When the correct answer is riving, it is brondished with a green square and the sound of a beliffing-Dicides on the worst arriver produces In the introductory exotography course,

answer is either correct or incorrect. is different for early recess. Olders one of these belod words for further study. You can scroll through

The introductiny coanse is very basic, required little contexter knowledge. It data backup, hackers, wingers, 10'a6', zom-

There are no complicated terms, no informulas.

introduced to codes, ciphers, elconthins, preparagily in practice, Each successive

ing-but the earn can be taken as often pegy and paste the course review section vita another annivation by reference

when taking the main. ing of questions in the introductory examwested tricker than pecessary. Some questions weren't recognizable from course material, and we didn't always Crystophytone ever sucrems seemed

to be tiden directly from the course. though. Course prices range from \$169 to \$249. It seems high for relatively short courses

Tomoto Office (Stand Office) Mantani Officer

THS1+335-607 Pec\$14-335-605 Vencenner Office Taken 110,0000 Dw/404,271,0451

WITHOUT JOD THE COMPLETE CHARGE CHARGE CHOOS SOUTH NEW COLDISIONS AND AND ADDRESS OF THE COMPLETE CHARGE CH

## Fun with Excel controls



ness, emphy hours, and notice buttons that you add to your workshoes to unto-This march we'll look at some of these

conversis to sam your own requirements. restreased even the form controls we

Year first control Start with a black workshort and choose wedshert aveg hern carero's

this is where you can make your first and bur colled Countrel Toolbox, the rest of Forms wodow, click the Scool Bar but also create vertical scanil has some the

Click OK, disk using from the screet Notice that chicking an arrow changes the change value), and chelone the scroll buron other sale of the handle siture the value by 100 (the Page change value)

male risk the horsestal scrall ber

Overcoming Smitseless New they resolve discovered have simple

as best from controls blus the armed her values between 0 and 50,000. You can easily per around this by soal ing the value a control provides to pro-Consider this programmer was sweet to that is between 0 and 10 percent with

To do this, set your compant up with

Click OE, then enter the formula to dupler percentage values and two

Now test the acroff for it remodes the add them to any worksheet and use there

businessDS unlimited usage

special rate ends Sept 20th first 4 months

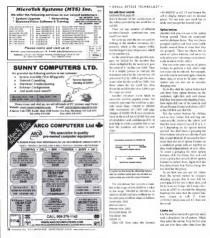
each addensed month

egateDSL www.egate.net/dsl

Toronto + Ottawa + Kitchener 416-447-7709 + 1-888-484-8328 + sales@edate.net

Frequires modern (sociable for recraft and PRPNE metable decine other ascitures and octions available + contact us for information





data as a worksheet template and use at To create the basics of the entres ann A account compet is othern B. Now select the ores use which you Define, type the name Consumers, and combo bos us cell C3, andenine column Parrier Control, select the Control tab. ing the drapdown arrow and selecting a

chosen name dagless in the combo box.

his pay the worksheet. For example, if

perber, and dacouse rates and you

and looks for the value at the interioron the Surready (year first, colleges, sec. Et water specified the may careerate

(starting at "1" for the tegroest entry).

false, as it's used when only our of two setting is northly only the to be tracticise. For example, you may offer to-4. choose Edit Text, then type I number

Grotesi. Gretrol talk set the Cell link to Tex the checkber and note that cell peopler short (create the cell link on the state of the shockbox. Due as IF result of the final calculation. function to make a calculation based on store according to whether impersors of

Security conclosures; raising Saltsa/lediese includes material from experts in the various subjects covered. As well, setting up and maintaining the infastructure for online courses to complithe main

are more to way. The most complex are need to scale the values they accorde Q courses and exams can be accessed for

SMALL OFFICE TECHNOLOGY &

short. An alternative is to have the values

At this price, these courses should the number of security related II prob-

- Non-1982 effective between Eqs. 11: Apr. 27 and



198 (1820 100

179 5700

I Mileson

THE PARK NAME AND POST OF THE PARK NAME AND PARK NAME PARK NAME AND PARK NAME PARK Printed to the Printed by the Parish of the

SATURDADA TOTAL TOTAL TRANSPORT THE TAX TO

T homes Mile 19-15

endades both a right-dark retice and a

ATI offers speak peek of new Rodeons

DOM

By Seon Carretters is available in malacroners and standslove form factors, and supports most big technology trade shows or PAL vulso cameras (both BNC and BCA aspute). The product well capture CONCRETE AND MARKET AND ADDRESS OF

eren Comdex Las Venus in strudits downthe 2002 edition of Gorndex Casada. What was also surprising was the sensmaller, there's less mountain for large

which means less exponent). This year, you could almost count the number of large worders at Corndex Canada on housed smaller startup companies, servour-and-obles creed from that per-

her years, secondy classes surveillance

SERVICE A BUSINESS CENTRE

Marchit 1900 of a timple Saction of a course me Office Sher Value S Janel Freedom (N. 1 60Rb CPU)

\$599

on under Both Victoria and Acre nessign when events occur. The but ner Be rome imbood master and USA peripherals, among other

od street options, racining a link to a

nov Windows XP Tablet PC Editors enur point (in mun exception at the Enc. McE. Microsoft Canadris

available semiltaneously for a time, the on shies, and hadrighters her pourts on 912

> Optical ✓ 8x4x32 Mouse CDRW

Ifer SDR AM133 DVD \$79 v Intel Play OX3 USB Computer Microscope \$89 W 50 1

12 t- \$4.99

ISS CAN BLOWOUT

18/2

deseiled speci on the new models Epsen brings out new models

but also marks the first AGP An capable

and. The rest of the speci of the circl are each an improvement over the previous

taken to calling the new graphus proces-

The benchmarking numbers ATI

to shock out two new photo crimites Radron products that should be ship-(\$259 and \$449, respectively) will both The Saleson 1990) is the first product supe Forest Resolution Performance Management, which allows variable steel

sist and a few adapters. The \$25 also supports an optional preview montes printes. Both printers will point your

Even lower pricing for volume dealers

HARD DRIVE SALE Marrier Silfiforms 10G/20G/40G...\$85/\$95/\$110

Sign up online for exclusive deals MISSISSAUGA

### De David Toroba

far do vez do when you have spet, a new product on a selectedcompany's co-founder and chief excu-Comdes Canada in carly fuly handheld companies here the second

plefern-only corries the samedus works a openishin school. Those or that window operators are lossing money.

town of recorderions data on the years

Parket data also means higher but the ability to turn on the device without a diden and moradataly he ting your erack at resily a transcolose. interview a deated phase and a Take-



Dubrnsky said the prevailing views of the winders market take two extremes: the notgonna-happen school versus the wireless-is-inevitable crhool

affews a user to did you a managing have address book coops the built-on large back." The irrdened she facilities people find addictive once they've used

While the Tree ion't the smallest other phoneformeiors combos

been, so electing reellers about a



THE PERSON NAMED IN COLUMN 2 IN COLUMN 2 IN CO.

#### Audio Design Group shows home theatre possibilities Toronto's Anglio Design Group The \$75,000 resters sleep was firsty the helpts to go down when a morne washroom or the finder. Most of the

(ADC) had two house thestro at the Ing on the Park. More and more restreets contribe or here recgrated into the PC, but ADG was showa whorever \$400,000 Obstrasty three are not your run-of-the-mell borne

Comdex Casada show broasht with it some

pretty cool gudgets and gumos, with vary-

full force, giving deepes of its powers.

InFacus, a 7 I Doiby Digital audio setup. a DVD lakebox bloked to the Engint that runs the CDDG messic database used This last item is poolably the most system can also be configured to control lichting in multiple areas of the home example, if my security system is on. curs on the lights to 60 percent at 9 c.m. Such a control matern can also be percruzumed to light up a hallway of you get are also radio controls available for some applications (notably for older horses where testing up the walls to run wrong would be not only a para, but research try, and dain't look all that much more (moreoper at a classer Setting down or showed the differences, threath. The \$100,000 Berry managing, which is the

say of a small char, is designed to provide exceptionally brush and reliable

Where it resily started to get interest

A visit to the Sony booth

up to 100 CBs, so that a picture will be shown on the screen when a particular elisc is in the player. The MEX-501 also supports MF3 play-

Seey also showed off its new WAID design personal video recorder, AM/TN radio, Ministry, 850, and Chinisphark, Norwell an interface not unlike a home stereo system. Born can also write to CD, EVO, and

The PC would look at home in any entertalement unit, and its fanctionality makes

with events on the screen. The sent was non-workers prototypes, anchoding a ress card helder. The unsamed device has about the star of those found on smaller

firital rameus. The descr allows for viewing and transferring of images from Momony Stick. Other details were hard to

It looked like Pac Man disesting a lens when opeced, and a grant of cheese, wellow colouring and all, when closed.

about \$30,000 for the controller and up to four years (other actuator packs are sold separately). Of course, chances are

Sony users to be banking pretty heaviecloss, adding signs to anything and eventhing it can get its hands on, including cell phones, handhelds, and even car The NEX-501 COURTS received allows and SPEC trasper rate a car starge to create side shows or view images on the

desiring is about \$4,000. Three is a \$400 LCO monitor, and the price creeps placed Mathematican IET system then can also but these wages with

Same of the more interesting products is the Sony booth were under glass, es GO GO COMPUTERS

PERMAN

Set - Sun: 11.00 cm - 5.00 cd Fax: (905) 477 -2110

# TOMKEN TECHNOLOGIES CORPORATION COMPUTER PRODUCTS DISTRIBUTOR

Unit #8 -10, 991 Matheson Blvd. East, Miss., Ont., L4W 2V3
Tel: (905)625 9889 WWW: http://www.tomkencomputers.com

Fax: (905)629 1415 Email: peterh@tomkencomputers.com



Variety, Best Price, TOMKEN Offers (Dealers Only)

Contract from page 5 competibility with Harrsoft Worll Georg. and PowerPoint Rivs. In addition, the war subscription to Third-twe's age, upgrades to the software on any supa non-explane software becase and a

The US\$48.95 shrink-wagged software norkage was not available from Caraction retariers at press time, but can be downloaded from Thursdown's Web gite the carse

price. comunic Consults Inc.

worse multi-function persoberals for One Office Center and the \$75 All-le-The X125 combines a colour contex

standatore for machine, scanner, and pho-

(pages per minute) black, and 8 ppm at up to 33.6Kigs and can store up to 85 copes, As well it has a oxiomical dol enhanced) and 36-bit colour scan

street crice of \$240 and comes with a High-resolution black cartridge, a highresolution colour radifice, nover and phone conts, and a software bundle.



models. It offers print resolutions of up to pitel speed of 11 poin black and 6 ppm to 600+1,800 dol (9,900 del enhance) colour coales, at so to 9 com black and up

A stitch in time online ringing new meaning to the high-tech, flewing is cellino the

The artista 2006's array of complex embroidery tools indicate that this system is

not alreed at the casual seven. With it, users can, enlarge or reduce an embroidery

The machine averages spends of 600 strephes per stringte (majorium 900 spen). illers 360-degree rotation and on-screen editing of designs, has a library of mon than 850 steches, and 36 directional serving capabilities The mother of all sewing machines does not come pheroly, however. The artists 100E has a supposted retail price of US\$6,799, and US\$99 for the moders. to 4 cars calcus. The empter also comes The time Flaffath draws proved from the notebook battery, but the compact editing software. The KTS has an estimatdecine and Entravielst svins Nades

gensington Technology Group good a small fen that place into

means it draws less than five minutes of tery charge, according to Keessacton The osengany also says the fan motor Continued on soon 715 >>> COMPUTER DEPO



































# Ease into kellable Service.

#### WHY SHOULD INTERNET ACCESS BE A HASSLE?

#### ME MAKE II EAS

our connection is always up and that you have access to receive affordable and reliable service v our vital information all day, every day. And, unlike some friendly, and knowledgeable technical supp

### R YOUR HOM

IAL-UP INTERNET SERVICES							
Free beses per ments	Free Nieb Egood	Free Maliberts	Neethly Fact	Annew! Fast			
50	2 M3	1	\$ 985	\$ 99 00			
100	5 MB	2	\$14.95	\$141.00			
150	TMB	3	\$19.95	\$199.00			
	Free bears per menth 50 100	Free bears Free Neb per meetle Epison 50 2 MS 100 5 MS	Free bears per ments 500 East 1 100 5 MB 2	Free Name			

### VOLIR RUSINESS

WEB & ENAIL HOSTING					
	Wab Space	Ersail Addresses	Housibly Fee		
Web 1	40 MB	10	\$19.95		
Web 2	100 MB	20	\$29.95		
Web 3	200 MB	40	\$59.95		

Serving Toronto since 1995 1.5/3.0 Mb AOSL 128K Dedicated ISON Special Offers 3199/mo. T1 Dedicated Access Server Co-Location Visit our website for added features?

FastPath, Unlimited HIGH SPEED ADSL residential Internet access with e-mail virus protection, spam control, and a modem you can keep - all for only \$34.95 per month!

**\$214-6363** 

1 Yonge Street. S

Please call ext. 2005 for information

1 Yonge Street, Suite 2205, Toronto, ON M5E 1E5 info@pathcom.com, www.pathcom.com

## Platform News

Macintosh . Linux . Windows . Palm . Emerging Trends

### Red Hat Linux 7.3 revealed

This latest distro is evolutionary, corporate-and dull Dr Cons Williams

has merphed into the Starbucks untegration is Red Hat, Caldera,

For designs use, the darries time leader is now clearly Mandrake. The ports of Laure is Debuc Obough this in Debian's Hewlett-Packard connections).

FreeBSD or Mac OS X. Everywhere was



of version 7.3 from the 500-lb sorths of Red Hist 7.3 shape with Linux kernel from this kernel is support for USB 2.0 suppressive support for 802 (102) (VLAN), better SMP nerformance, suptorne strings. DYM florical volume management) support, support for

deskapp features, it offers byable introduces anti-shared foot

One loss, if you have older

conjugant per-IDE on CD-

Red Hat has added CUPS printer support is addition to the traditional LPRes. I've personally had better lock You can may both printer support Linux user groups in Canada



whole new language monds are officered. The way files are harded is officered. We save to feel the is the Web. There are tons of Linux sites.

for the limax newcomer unfortunately. ters, abooks, rust about everything you The publish is that what most of us time with a computer to compone utilino You could elema call the friend who



### Jaguar price upsets many Mac faithful William eases that must weder Mac CS X only



This year Apple's

be that Apole saves the big hardware

### Q5 15.3, new products, and race

after all, it was these early adopters who

wante CIS X a viable plotform.

Beight Corons Index Televine Corporation Counts Insurb. Address. 2022 Sheppard Ata. East (at Sheppard & Brian Br.).

While the lack of an approde price Apple has never offered an upgrade you had to pay full price, so the lack of

Those who do ungrade will out a lot of 30 with mire page sendering, Narrooth suzzon for Paint and cell



The (Cal upp is a free calendoring pro-

look. It allows users to have multiple and each person have their own calendar

sCal, will allow users to orac their sCal phones. Pakt: devices, or senther Macs line including price cuts for the 5 GB Fod. Arele has made a number of small tweeks to the deeps of the 99 and 20 GB models and has added some new acces-

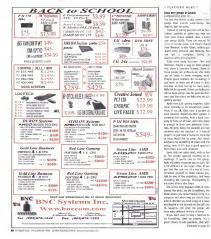
> The other has nown a that there is now a DC servers of the IDs4 which deliver basebox instead of Clusics. Continued on page 82

MD Derve800 5345

but lets start with the good news and get

NAME AND THE OWNERS OF THE PARTY OF THE PART Fax: (416) 493-3388

ANNERS.



#### Red Blat Laws 33 revealed Contoned harm sone 78

afforce, and SDLahs Permedia 4. There is

chapter in this release released shabitly too carrie to include the Monilla gardage about the replaced with

issue tropicori. molex colendor, and portact measure and DVD EW support, affected, and The commercial bessel sets of Red Hat Profesional, and Advanced Server I smages from a Bed Hat recent for a de-

imaged surplisture. Obs from woudow ayen Cheaphyles an alternation on Cheselete Pink Tie 73 Lanes, adver-

The version shoroed does not include

Genton Linux: Use the source, Luke A report feverante Linux distributions. way you choose and compile a system It heard should one that received brain different, Genton Linux (named after a do you brote building spellcuttons.

want of the \$50 Ports collection called Gentoo Linux (www.pentec.org) takes rs only 15 MS-energich to book a working compliting the propriets needed for boot

Why you might ask, would arrive a want Students-Students-Students-Students-Students-Students-Students-Students-Students-Students-Students-Students-St

for Compact Flash card traders, such as notes carefully if synthe a developer. The horses line on Red Hat 7.3: dovolcaded the Red Hat 7.5 mades

ships. headen" package la fact. \$2577 now has

Red Hat, don't bother with the upgrade unless you recease the features. Stockware. Tired of Eabture drawn

obbackers) readers. Read the selesse

Linux system oppriols, 2% like a Nich-per-

up and running on my Gell Lipton. I tieux hold. Gertso still his growing checking. These fetch source code for Sented Web sits forum is only moderately Desarte a few rough edges. Gentro is a is time comprising, however Plan on an very sucting distro. If quality control can

the distribution mainly for those with

## **END OF SUMMER SALE** Everything must go!! (Two weeks only)

COMPUTER BOOKS AND SORFTWARE

433 Stading sat South of College Torroto On the Fast Side 416-593-4845

Insane prices on gazzilyuns of books and software Wholesale & Resellers welcome!

Mon-Set: 10vn-form





Filmes was also opdated. Version 3.0: equalizes the volume so all songs play at the same level and "untillivered" place has been remarked trace. This is where things

users, the first year is US\$49.95 and 115899 95 ner year after that need these extra features—they more

Many people, this columnist tuckeded, engury email for business and remonal

change to small address march more ket year up the much \$160 to keep a part of a dirty move to pull on some of the recet loyal customers, and it's not going over well so far in the Mac com-Between paying \$200 for 10 2, and 500

ortion whereby men could pay say creal account.

recommend you chack out the colline Well, that's it for the layerest, except for lobe famous "one more thene..." on one model, which will be the new toward of the line that The revoces new 17 such senson takens its place at a

DVD barring Seperdenc, as well as a Beiter 32 MB nValus GeForce 4MX voles The screen is the best part shough, at than Apple's Careana Duplay, which has a peoplytion of \$4600x1624 and a price

Mac shows that it's an amazine value 7.0's functionality for about 15 percent

However, all signs point to now towers so each August that after TCP over to (Acre. 12), so careed to see undated G4 cal media evert.

at rest wouldn't be right.

Photosies Bereets 2.0 Photoshop Elements as

Macyoridi, Adabe (nemadabecan)

his competition in the 1 GHz uperide marefactures around. Sepret

PowerMac or Cabo. The Someth reprodes delive from the Emperiories sparedry to that they both our the organizing, and sharing photos, (r) non the 7455. Thus this has unaproved altered performance over the older 7,000 series MHs with the older and slightly less office. The Sornet couls also use a 256KB

the average over can understand. The bay news is that Photoshop Elements 2.0 is

both CIS 9 and X patros, so it will work

notive, which was a major drawback for

(roughly \$159), and will be available by

Sennet unvolks new G4 sentrades

on-then Level-2 cache, and 2 MB of

seen don't good or couldn't figure out

now anyone can have their own domain name

es, even you. one can register their own domain name with every\$45 com. Even if you don't have a have web page! It's fast and sample. With your domain ups set weardeneds, com: You point your domain to any location on the net -

email at Oseumiomain.com/ Accountically forwards all proof sent to your Sign up today at www.seeudes.com/





and win a denim shirt

Yes! I ware to work IZ thou of the Computer Paper Place offer are to was a down data have Canada Computer Paper.

□ 100 □ Cope Extend None □ Cope □

### larger price search many Mac faithful

Level 3 cache using DER memory. The Powerlogiz uses only 1 ME of Level-3 using resilier cache RAM. The result in that the Speniet cards contain twice the cache running at muchly mice the

For this inspensement was would confe' namented retail is actually US\$ 100 cool that will run in older

MHz bus, the performance will not be us.

Sonnet also remains the only compaov offenes a dayl-500 MHz operade to Microsoft shire Palm Sear conduits... and there was much rejulcted When Mac OS X was released in Merch

2000, there was no serv to need a Poles. with your Mac without practice to the Manager could be implemented.

With the misuse of 10 1 in September 2001, the GS trucked a level where warn't sund Meloworld Sea Francisco es

soon can was their Palms with their duit uses the Poins Conduct Manager to run, but unated of syncing with Prim Enternant.

The conduct is free and requires that was uperade to Service Release 1 of awatesty). The conduct vall work with any device that is supported by Pales

City are more a mixed bug. Many of the the new N829 and NR20V models, for The solution is to restall the Missing

secont/remove.inft. You can then year year Clift with a Mar. Mr run the conduct on several Maca with different

results. On one Muc everything worked On a PowerBook with a Visor Edge DateBook, where it kept destroying puri

gwestware technical problems reported

this it should be insulable some and working Pulm conduct incresses the Lines user groups in Canada Costraved from page 80 put machines, and even select which

Other caremon EUG functions involve conferences to provide Union booths. the area, and advocacy in the bureets. There is an amazing amount happening

attending a LUG meeting. If there's eee

about Linux. Go to a meeting, drop by a chat with the folio there. You might learn musibs. You'll probably lawn something

you'll have a chance to have some fun

puter books, many articles, and Stuglis closes:

Handspring units are supported. Sore WAREHOUSE OUTLET WWW.CWO.CA Hot Summer Deal



\$69.99 \$74.99 NOKIA COMPAG COMPAG ana P.165 P.200 13W6 32MP

CD-Rom \$199.00 Huge Back To School Savings

\$275,00 2240 00 2200 00 Store Hours Seturday 10:00 - 5:00PM

NORTH YORK 1715 CHESSWOOD DRIVE (2 BLOCKS E. OF KEELE) 416.638.1662 SCAPROPOUGH 1911 KENNEDY RD. UNIT 104 (N. OF ELLESMERE) 448-225-0064

### Jaquar roars in

New Mac OS X undate to

DV HDRK-The latest version of now officially released as Mac 05

more than 150 "musor" features, sockulting 1979. SNB browsless and Active include sento-loaded folders, an Tinte-



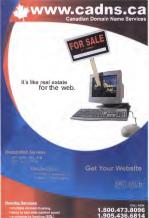
#### Adding a stripped-down search function

Applie's search enemic, up to evolve into a Steve Jobs, calls in "Imperiet services for

liting Mt-based services will allow of deline services, such as feder decises systems, stock cootes, morre schedules, ellay auction client, Impor finder, virtual segaces are available as HTML Web-based

interactive and user friendly usans the

orige break will be for those who buy a



menumeleurosinus ». Tre compres nors capita social completinos sertinate soci.



### New Motorola phones for tech and style savvy

By Conf Miles beside

otorcía (envencioniaci) wants now After a complex of years in which a And this summer, the company is



and receiving Web-based information and

from \$450 (depending on what satural

The C130 serves banduats acquirie a

system satisfes, welcome conformable

relians out a number of shell, renovative ruch about fishion as they are about handarts with its rotating cover and clr-

these desire owns without it is size. also needs to be able to still make chose

In design terms, the V70 hor's sent black screen display with white-styled

The VIII amenday of the mobile obone

handed that furthern a briefith hardill of hundred pretinations to compact handarthur the GRES natural (r.Based to reapart year statch chalcu to the part of CDMA 19811 network flyency offered by the world of biology specie than tradition, ally worded through a weblic shops. It is



Call us before you buy! Quad Yean Workstat







## Online & Connected

some sites containing words of

need The current Web is mechane-moduble but not

Project is to assertate this

machine-understandable. A roal of the Semantic Web

Internet Trends . Wired

## Adding meaning to the Web

W3C projects aims to make Web machine-understandable By Robert Wiebe leases that enable users to find

dicted that eventually every car would sport a citatera band (CB) serious and every pedestrian obone, which does more and does

but in the cellular phone has created to made its development and streetents, the World Wide With Connections (WDC, at www.wb.reg)

SALE

regist to mechanic as well as people. dures is the Semantic Web Chemantic" means relating to meaning). The organ-

notice is healding the Semantic Web as Searching and searching

Presently a Mile trace at control so that a

Hosting

starting from

CAD \$3.25/mo.

& Play on the Web

Mozilla CSS extensions: Part 1 By Kelth Schengill-Raiterts

was the past few settles us this series. uen noocetus Macrosoft has added Explorer, in this article, we'll look at extension that have been solded to the forthcoming Nesscape 7 ft. Mosillar at as the open-source offshoot Netscape Corp. decided to release the

efforts. The open-scenar software Tim Femore-Lee, a researcher at the development to sko a wer to harmon Laboratory for Computer Spinger insurant the Web or 1960 and is the make the program more robust and Naturape Corp. secorporated Montile's

Continued on page 51

\* 25+megabyous of web atorage

#### Address managing to the Mail.

In his article. Nemeric Web food approach mutual develops languages for

# processable form."

Rather than users trying to do a Boolean search with keywords, they could use an agent to find the exact data

they're looking for So, makes then users brook to do a

### West about naturalist

erofts. If every neer of data had to be than a pest often bestead, the WW or

reample a library outstoner a monators

Resource Description Franciscot (EDF), a lineage desired to concert that exchange machine understandable

Once adopted, the Semantic Web's



"You want to be quite sure that a statement sent to your

accounting program that you owe money to an online retailer is not a forcery generated by the computer-savoy

Computer



. Over 100 Exhibitors . Free Advices . Free Parking (Saturday & Sunday) . Computer Games Arrade by surviver # Free Seminars by Independent Authorities

WIN on XP. 1800 AMD PC | Take in TECHNIONTEERS with 17 monitor and 20

der Single or | We will send you a #5

### Adding recasing to the Web

security features would allow the to the would be acatematically recarded in my

uze. "You want to be come used that a statement sent to your accounting program that was our money to an ordine ortal-Bernery-Lee says that because of these Berners-Lee on his description of the ersone Security will come in part

Collaboration might take the form of agents working together and sharing

compoters and secrets can use to verify

could coordinate our servis to offer contractly accomplable obvious at a resultant coffee shop. The results mucht even rackeds the appropriate mildly fraued information to get us there at bend. cal aptrilayace could be built into the tion not set worldy available. With cappe wouldn't be required. Hose much of todar's Web looks like care an explosion as that from CB redict

## How's your web host?

Getting the most features for your dollar? Getting help from people who actually know their stuff?

KOPAY has provided web services for small medium, and enterprise level proprietions ground the world since 1996. Our hallmarks are our expertise in multiple platforms, our multi homed, multi redundant fibre aptic network, and our superior customer core. Make sure your husiness or propriention is in the right hands. Call us today.



Web hosting Un to 500 MS PHP MySQL ASP NET from

Domains Registration of .com. net, arg. .co. biz. rafo and others from

Server Co-location from \$170 Managed Hosting

from \$395 Co-managed Hosting

from \$295

managed hasting server ce-lectation domain registrature

www.korax.com 1 877 567 2963

the web host for business

"Mor all features evenlable with all perforces. See well sits for complete details."

#### Marilla CSS extensions: Part 1 Contoured from some 88

came to USS considered amenable compand to the highered suplementhat there never was a Netscape 5 (i)

Lite Internet Evolutie Marrillo in any code characteristics has

As a result, the most recent Marolin

same of them source to be considered state operation CSSI reporties proceed by the reels that and on names for CSS3 properties concertly as

Some future over setreface proporties

width and hearing for elements on a trick page, there are witnings where a new

2016 value offices for only horsested

clement. Strictly speaking, this property at

be a Nith page that would be a source vertically exceed to checker at full con-

The condevenment percent (ages). hand on the draft CSSS lay-quariet century HTML 4.0 mm. This settlem. the Web author the ability to specify which key or key combination topiers in

of values rare, a chroners curbustness, a

# Fans Po

ecs Laster

DESCRIPTION OF CHARLESTERS CONTRIBUTION OF MANY CO.

#### Guide dissects effectiveness of homepage design hour of it and a much breakfrom of hou

try book can be considered the natof follower to John Meters

essentially designing Web Bratelity

dotte. The chrysten-carrienteets taken a

endicate a key-combination instead of a

Web page deploys, which he a neighbol says

Nonemar Liphility

Mod Sweet Castron 188 and institutions (Flance Department of DANS and School's and cours 2% north-

Meh ches, all relatively number on their

That book was studied with electr of

The decemen of each site recludes could of page benducing the have ease to the mader, with a very serving of

In this case the Europe lev. Control er to actuate content. Note that while in-

As you read through the critiques, you

page docum making it pacy for you to

rs. I was disapported that the book fromicion behod the mobility challed of fruit CBNSs or Sensoral Emritic

cough the officer was been ratio. tera keys that certism repending systems excepts for the personn code tomple

recrease the street of the case, Network to

what the difference in behavior a "historyal" (bull), been to stray from dealing strictly ly only and of effective ordine marketing in cutter annually was at work here—the

maila. friendly-] sould have been ruch hoppy-

true to apply the unshritty purchases of Names and Take to their Not side and

If you are plenting to try are of these autor they'll work, or even do averlong,

Nact Time him "Modil" Edwards to CSS suggestions, or HTML top you may have "You can

my noters (if may) is equivalent to the DESAY CANADA INC (BACK TO SCHOOL) Tel:

**Cutting Plotter** USED SYSTEM FROM: 40 00 Comment of the Property of the Party of the 24"|\$1370 30"|\$1650 40"|\$2750 STATE OF THE PERSON NAMED IN Cutting Software ADDITION EXHIBITION
DAMAGE CONTROL
THE GOOD OF THE CONTROL
THE CON MANAGEMENT OF THE PARTY OF THE Calendered Vinvl About North SO OO Boll

> NEED SIGNS? DI FACE CALL

#### for screen illiar book in at Manusold Commund from page 37

owned up to the

this with a green-

promote dashor for people" with open APIs for developers. The new yer age was demonstrated using Murtouch wanter technology to dial a phone and man's an incomme call we caller 10 with the Address Book, which then

Address liook wall also offer support for Mac CIS 10.2 will also update the smarter as it is used. It does this livcolour. Other catchers features assistate Sound and fury through multimodia

Annale solded a new iffeed to its \$4000 rd on-

have drapped to \$429 and \$429, respec a protective cover ever the Fundation next. calcular and a clock. (The approprial

for use with previous models !

Windows-ready iffuds will for the succe-THORNHILL

all-malibox searching and better malutimes. The new version will be a fruit "rating" abder that assigns a value from playback volume constant across tunes,

appoint for applified on its weather of scally created the frequency, ratings, Recent Mac energation with refficient video display technology from Apple

According to Apple, (Tunes 2.0 has been

description of the state of the section

called Dayarts Entirerue, which accelerates graphics performance. technology, was held up due to because same around results represents to putout holders assolved in the MPEG-4

he have resolved so the software to mad-Oxedding 60 st hand around MPEG. Disping into the handwriting well

< NEW & HOTABLE >

word for a product acnouncements, but

www.-TOP-for dwared of becomes an exit

online guz. Filling out the Pupper www.carcretore.com

MICROPOINT

COMPUTERS

AMP ATREON AFTERNAL CIT.

Monthly Special

1 54 DOG AND 1875

S WE BOOK AND

T BE DOOR ARES

### Is true compatibility achievable?

#### D. Harris D. Differed

separtiality is probably the next Above after user freedly in realand when it wreally seeks in your products are compatible with abroad our

I had written a FORTHAN program and

recents from \$ 7 shedo's namely made \$17 word or

Most manufacturers and developers claim ir products are compatible with ost any other you name. As many of

us have learned the hard way that may be stretching the truth

bught idea of moving all the file locadays to be compatible with a whole HordPerfect, A document with mioursal Speakter on indeed men back and

48 hold. Continue adding complexery WordPerfect was't our such other's

see not food you able to me Total

latest vommen.

most I smoot that with a set of 65 shakes I first and left the others. Power Power 2000. small fix-ups to everyome some features Incorporationes also occur with

I shought my old 14 (Klass modern could at front word a fee or did a tele-White most harrheasthoffware that

huber.

and norsely hose Money a furture on















Tel: 1540 872-8276 Fav: (404) 872-8256

#### Outlook email one new statement and of the see to recare No. of Change Louis School Shool

DIV strippers - Named Office's and bosery you can use as its or modify by adding a company loop or other leaser. To do this, choose Tools, Octobs, Mrd. Stationery potion and click Host. Chanse a beice Now, wheat it from the Dee Trus will appoin for all the new messages you

DIV stationery No. 2 \* It's also possible to The Outlook Europes studionery resource vend realty days buttook factors and Very year statlement + for served over-

Add empres a titlers new most to whose

chick Braves to find the muse on your Left or Bight og your trut woos amund the remainder of your message and chris

Add signatures a Lo aren't constrour Suggestion Prints then New York a name

Setting the priority + Outlook allows were has no effect on how fast it gets to its

Oxide email + 15 works because with House window will over how your Eaployer to continue housing.













ONE STOP SHOPPING



























## Young scientists pick up Intel accolades

#### Intel Science Award goes to three Canada-wide Science Fair participants By Jeff Frans Strubtelio, Gode 9, from Ottova, for sped with the second method reconstiti-

technology research as presented at the Grade 12 student from St. Catharinos, ambodies via computer," Dickson

of our emprane voters, bend to satisfies proposition or attack, I wante a computer ellowing more rigid and account emplointo dural images so they would be

spiration Synthesian described his od system for remote, non-contact recreds of seal objects. I designed original software that alleres (the user) to propria 2-dayserpoonal sesages from a web-casepater model and view it from dellower preficies, anthropology (recommended)

partial regarded, security votems and The mesor witner was Anthony Clearette Coule 2, feura Hamilton, Oct. phycine was to create a computer poo-

ly fulfilling the unted observed TCP tracked down two of the three Danger Synchenko was contacted such as he was about to leave Ottown with his family for a summer holiday exception

there suck north of Torocto Dougle react "T engacement as sciency false from projects better, and showed in the nationals in Grades 5 and 9." someone door 3D prophet on a Dasswery Channel show, and they were trying to create onesiae lookum crea-

Internet

*municipia* 

sharing setup cable witha

make a seabstic 5D figure from a objeto. Litherarbs Leveld nor a corners, orthor by retation the object in front of the samen, or by rander the camera arrand the phect, Dither was, I could combine the

When solved hear he learned his softwere developer skells, Santhyoko sast. sears. First I formed DOS, and C, then HTML, Delphi, Proced, JewiScope, St. was

a collection learned street proper processors the years I find Piscal code a lot cleaner and resign to read than C.\* gye grow on old 686 PC | girdred it us.

It also had a C compiler on it, so I got a Continued on spor 98

Mathadagaria Network EvrMeden CO-ROMOVOYO RW sover sea o Networkley MC & Hub Season & Sound Cards

Digital Coryets

96 SPENISTERS THE COMMERCIANTS CRUCKS TORONTO (STEEL reveniends republication)

Appen 32x12x48x Appen 5tm system CDPW what ire Appen 12xCD-rom, Foogs 40G ACA! OD howel clink



#### < NEW & HOTABLE > Young scientists eich un Intel accelules

has but "normally I don't sale for help

has programmed town for other tuning technology secondary "Make comrouter very paterned in the subsect rou're studying, try to do those wasoff Doe't over other needs There is

Contened horn page 86 Support for Sun Microsophers' 1297 endrannest within the operation value of the stone allows for digital customicstion. Measwirle, the 1720 sports changebetween US\$100 and US\$100 (depending on cettors and retwork you see it cel-

maketed in a Symmetric allowance communications loof" that "topset's sacra-CanadaSys/Former Dytech)

EverChannel (Wedenstell Visit www.CanadaSvs.com for more saving & options, Dealers Welcome tetal P4 1.05 9576 Athles XP1800 5519 W Class Stateboard

3997386 HCC11-464 FD **ECS Lantons** lated Pd-1.80 \$1800 (seed Pd-1.40 SCHOOL

least 84-1 00 81778 least 84-1 40 81878 15 TIT (200 HD (Lea EVD+CDEW Combo Land (1978)

**4000 SETS** 

ECS ADD Belley, 160 ECS ADD Belley, 160

1GPsCPU / 14 TTWY 100 HD / 258M / Lan CONTRACTOR OF THE Medica / Fall sind admir button ... see. USSI Fallered Hard On External Fiction . . . All Lection Hand Prince

20/30/40QL159/209/2 All comment you the country many country recognitively assemble country

shears a solution, or multiple solutions. When saked about his fetter made.

n get a degree in physics. My computer Once I have my degree, I want to work ner research. As for the fature of com-It also features \$190 technology for the

for you use the obone worldwide or most major ratios, for priori, handwriting recog-It will also sell for between IRESON and

Biohanoud Hills

lutal P4 5.50 9529

letel P4 5.60 5661

ipped & Lan on beard in finant / Brod Woose

**Fulltsu Lapton** 

G-2111A \$2499

HEADY I SCREETS

25668 RAW / 2008 / DUD / CDRW Curde

Tel : (90%) 709,4790 - 0 Wednesday Closed Hay 7 E

processor, and would have to get it from They'd also need the key Longer to South to presidence although the common In terms of currer apparentment from

TAN-110 \$198

or Days 850 \$148

Umarada Combo 2

DE 140 . 8388

DELET #386

or P4189 \$399

count. Naturally, I say an article in the Herseless Speciator newspaper, about I am not a terrorus, but from learning a profuser worth data badden work

- There are considered to consider."

Chareful exceled by such to the ran-

ner for a mind as every its own combine outs much which changes the colour of the pand so slightly [that] a barrant con? "The server getting the potters with the halden information needs a copy of entor and the encoding key They actually

> **Boarbersush** 2001 Lawrence East

Wednesday, Closed B

AND XP 1800 8649

Source 25, 6491 Video

Sound Card on beast Southwest / Street recease

15" Summing 150CF ... 380

NOT TY OUT . EVE

Senety/D-84, \$1079

POWOLNE Set 16

5 periliph PER ST

Video Cards

17 General

next and earlier within district michages. feer. He also coules has father for spark. computer tracker at a blad school in Charelle is also contemplating a new protect "I have another idea, with the-

He likes the process of delining and solven a problem "Broblem solvine, of takes time, it can't be done in like one sechom. I work around a try deferred thoses

office has the University of Coloury and

rafe to me, and I've not a lot of must

As competing with competers. I cast loss

cusend his vicinoscrephy process, learn-

fature. Church sees. 'I would like to work as part of a town, I wouldn't resed 780 Lewrence West | 6







Appendo in

FRA - 100 100 30







### **AccessVantage** INTERNET SERVICE PROVIDER

### 56K V90 Dial Up Service

Lite - 10 Hours

Basic- 60 Hours \$095 Manth

Unlimited (lessed on lateralities) and

DSL High Speed Service Residential Service

**Business Service** 

Promotional price for the first ree months for one year contract.

d time special. All taxes extra Tel: (905) 881-8231 (418) 418-1055 Fax: (905) 881-9331 www.accessv.com 1 West Pearce Street, Suite 500, Richmond Hill, Ordanic L48 383

## Careers & Training

IT Career Trends . Productivity Tips & Tricks . Book Reviews . Tutorials

## Keeping an eye on cybercrime

**By Sharless Myers** This it seems like everyow ~ his interests as law enforcement and

Creater Energy, and the Canadian Wheat Science Technology video advice and direction to students

TCP: What does year seb involve? every project or management can be differres, depending upon the recoverments and the properstances. With my

Certification Certified Food Evanno Securety Professional, (CISSF), Server which debuts this fell Computer Systems Certificate. DD: My sale is rather among as that

ments within IT networks, and policies of course, and computer forestics

lot of oppositions out there. I was within a police officer-I was with the RCMP.1

uses were the assessments of community browns, because crimes, I also did anything related to electronic evidence. from computer systems or computer

Tell we about a revical report for you. Assem, within the consultancy, it really has not trained only like consequence deads that they would like an independ ent third party to test the incounty of en resurborated over weekl test their

#### Unleashed gets under bood of Mac OS X By Keith Schenelli-Enherts

It alleged 1,588 names, thus believe moth is almost bince as long as any of the other Mac 05 X filter, we have expected with a book of this size (an would likely be disheartening for becon-





September Computer Book Coupon Promotion Save \$5.00 on all Sams titles



















saccimposts—acrorally vaulte taking a from the create of an accommission, as the company—and then writing up pecbegant problems with many organiacremmen don't have proper IT polyces

ther do business in their organization.

An inferital like rac serold come in

CALL NOW 1.866,425,5443

www.softtrain.com

It gets frustrating that a lot of organizations don't adhere to best practices. At the same time. I'm totally appreciative of the fact that when it

comes to security what you're talking about is risk management.

culture of the company. If worke not a

polary and reproduce as absonue to be

states, you go across the whole spectrage

either a plantel's or a defendant's conm cost proceedings, or in some custs

- CARFFEES & TRAINING > ancomed within as conscious Of

course, the raper of conservers rance from small companies readents.

Trushfully, I force what I do. I wally

(Brownish as a society practitioner you tions. At the same time. I'm totally amorecircles of the fact that really, when w comes to accuracy, what you've talking citally in these economic tunes, every-

proportion skills or qualities that commons



### Earn Your Diploma

E-Commerce Solutions Developer

PC/LAN Support Specialist - MCSE 2000 Stream PC/LAN Support Specialist - Oracle DRA Stream Webmaster - Technician/Administrator

Wireless Applications





Continued from page A31 nettald went to do your out?

so people know exactly what can be is that you have to have very good listen-

crefes that you're supposed to be adher-

Will it's one of those thoses where tame is defined a benefactor I ve been courses. Do taken courses thereoh

" CARLLES & TRAINING > From a security perspective. I've

stagues and methodologies to secure thing from conferences, orantes, lectares, and reading books, of crame,

Wast err the burger shalleness was would

from an e-commerce perspective,

being stolen from distributes although One of the cours that we as security

secure, particularly if it's employmented

I loss spending time with cer family I

A degree in computer crime investigation Casual British Columbia Institute of Technology (SCIT) has laurethed what is

The program is part time, offering two years (60 credits) of upper level course wisk to related field, and must acquire two years of related work experience before analystics: option covers crime investraidon, recluding partology, drug assigns, financiant identifleation and BSA belows, the economic and computer come comes for section areas such

For more information about careers in computer security and forescop, visit the Neb (www.scz.ou)



CampuSolutions Depot ..





Bmans Computer Inc





164 remarks you had maken been crossed month orbits, assurant common co.

A Alentus

PRINTERS - FISERS - MAINTENANCE BITS

Eusers/Mointenance Kits

### Guide to Solaris console tools

## falls short

Solars Management
Consoler Tools
Action Jases Misser
Robbins Sound Ness,
energipps sain
DBM 015646007
Solars 200 729 pages
free \$52,99

#### By Keith Schengill-Raberts

amelines computer books grain the Seager care pletaly. Soleto Proregenerer Connect book is one of those books. Though this book is alreed at pursor Soletin is suptern admirestance. It decelet deliver all of the Information they need to get a grip on this operating sys-

The real power behind this diff—like manifold is likely and power behind this diff—like manuscale five level. However, this head, separed, takes a very introducting look at level and the row GED-level foots withinker in Solara, concern mark the same materials had usual for feminar to supple with his team from level. Solara, concern many the manuscale in the same solarable control of the same s

#### is true compatibility achievable? Controved Fort page 54

opposes, many of which are not fully compatible with the sensors they have replaced. The recompatibilities between XP and pre-XP are more difficult to overcome.

Tou will have to bise the builet and

old modern, moustain and informs to the soup leop—but went, left thatkabest that mays. I had a computer operating under Windows Me and took stooler opcor I went through the pages of The Computer Paper and found a great deal on a suphoment computer to man This took does provide a decent has of the Old count consoler took, and will be except to use it, and in all the Old count consoler took, and will be except to use it, and in all members to use on the old country to the ol

on the absentages of earling the COI-count fools over the command-time absentation. Tools over the command-time absentation, 15: ONE for an earling prefer Societies Societies. Towards, this is a carried subsystation. Towards, the Laws of supply and demand come fets effect bern to explain the SE2-89 processing (e.g.). When involvening it, I consider help and these threat the first book on any given computer subject. In often the wearest.

OS so while the book is inseed at a surror

Ad Not to there embled Solem shallow his technical imports on

339 Any realistic cond-benefit statistics that values my tens, says this was a bir girs. I can consume using all says side hardware-bothware as I did before on the all system and how started to lead says of the old that in 33 compatible on the new con. I have the best of both worths, expectably stays in servocked dwin term were cally stays in servocked dwin term very

Mewn Sibert is a direntit who provides forms and operating services for included water this meet applications, Aria holdly the is computer.

# ◆ 845GNEME533

TARE MINTER



100



CARE No.

MSI







Samtack

Supercom

www.supercom.co

Second NO. 411.1166

Receiver SH 236.1169

Medical ST 236.1169



# only 385

**Alternate Source** 

COMPUTERS We Buy, Sell & Trade Used & New Computer Equipment

We'll buy your computer equipment and pay you big cash PII's from \$249 PII lantons from \$699

Tel: (416) 609-9147 Fax: (416) 609-8969



2.33 Web Hosting

Unlimited Space/Traffic

www.linuxmotor.ca/hosting

Toll Free: 1-866-711-0571

A Linux Motor

store.linuxmotor.com

### Consumed by electronics Problems in search of solutions

at Macworld New York By Dogeles Alder

her were a way to set a hor of photo TEW YORK-Over the last five as little fless as possible and a good yideo. years, I have been to most of the Manuschi Franci (See Francisco

se incorr and New York as July). This My search for a way to basch orsecre-SmartDak Corp. (sewonstdukcer)

company as working on such a product.

Yark means fives staff to and booking My next owen was for something to dede (engréablouiscon) and discourses PurWpe carners has speded me because

Unfortunately, I purchased a model that lacked volence caroliffies in the cost. I along the water's edge on the West aide of the loos this stiand. This makes outhave avoided the sery low end USBting around in New York a seal pleasure Using the hike path, you can make it to Estupe Lebri (new-stapelats.com) MyTV or the later/hear DSB from XLR1 taking the subway and you get a bit of comes in most cases, the could's is very tradic at a lettle barry, but you can get

At a previous show, I had purchased a that morroed better capture speeds

I usually wander the floor looking for interesting new products, as well as soluproducing very great and stationes. tered. This year, two stems on my wish

#### A MEM & MOTABLE A

· As a former publisher, a small booth called PubPro X2 (manapalicon), a Bladdshee hourd publication resonan-

solution for publishers who were to



redesigned templates, and supproved. enden across the enterwise. The cora a new devalue, called New Software

MPGG-1 rather than the TWG-NPEG-2 Seringer

have seen the features of Office may approprie high a Poly combat for

Other rendoms and press releases than

· Apple subsidiary FileMaker (months

moved USB video chatrages. In addition

three offered by Tible Because it respects.

to flow emporable walks refer had

for the Mac that offers personal video tarty September 23rdf ni Week Excelled New Meets: Computer Seathlet Certificate www.torontoimageworks.com

more proving that reacht he worth a clea-

ADS Technologies (manadachann)

cupture device, USB Instint DVD for

ontech langvations www.hitminies.co. ont our and MOUS MCP MCSEZOOO Linux HP-UX Salaris 8.0 Oracle 8i DBA SOL Server MySOL SJCP C# VBA Visual Studio NET Visual Basic 6.0 Visual C++ 6.0 PC Assembly Internet Windows 00 | YD Training Access Mt Barel Mt Front Pone

www.btechcomputer.com

NAMES AND ADDRESS OF THE PARTY OF THE PARTY

ME XI 150 LAS ALTIANOS INTERPLICADO SERVICIONES INTERPLICADO SERVIC	AMD XF 130 6491 AMD XF 1800 3779 105 A 131A 180ARD 120MB F 131 MA 180EUR 1 130 CD 160M 1 441 G 130 CD 160M 1 441 G 100 CD 160M	BACK TO SCHOOL SPECIAL FREE UPGRADE BUY ANY AMD XP 1590+SYSTEM FREE UPGRADE TO AMD XP1690+	PA 1 SGIRE SESP PA 1 NORTH SESP SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SESPENDED SEXUAL SESPENDED SEXUAL SESPEND	PA 1 AGENZ SUP PA 1.TGENZ SUP PA 1.TGENZ SUP ECC 1-CHM 6 BELAD 13 M.D. N. 171 MINORY 200.55-99 HARDONYT 202.16 LOD HIM 144 FANNESONS FLD PRINCIPLE CAMB PRINCIPLE CAMB PRINCIPLE CAMB PRINCIPLE CAMB PRINCIPLE CAMB BY ALX CAMB	P4 1 4 GB 5459 P4 1 TGB 5459 P4 1 TGB 5459 P5 1 TBHB TC 146 MP N P6 1 TBHB TC 146 MP N P
E-100 - 112	MANUEL DI	BARDBENT BE	THE STATE OF THE S	NATIVOTE CARD LANCARD FIG DISADAPTIS. SE	PACKAGE SIGN DOSESSO MANNON

MONERA INTO THE

# MK Office

www.htiestitute.com

idistant day of Hundson Training) Jane Saur Info Sararies Toxindaes Cult new (800) ton some

## Cisco Trainin

IN FREE CONA or MCP FOR FURE Visco Our Lab ....

← ISDN lines, ADSL Line & Frame Raley Circuit er Over 100 Clare Broders, 7500, 4500, 3500, & 2500 er Calabriat \$500, 5000, 3920 & 1900 Switches

> 1.00 mm. mm. SYSTEMS BAINING & CONSILITING

Tel: 416-447-TEST (8378)

· Toronto-based Marketeisele's Edition is a contact manager and cur-

Oxidations, republics and multimedia Wassiper-based developer cZedla

collect eZedoOTI-a

cross-platform

convenient for creating interacting rates, graphics, magnetion, sound, personnations, and the Web. The pereraco has features ucular to

Vancouver-hand Tatally Han Software's (www.tolelrha.com) LiveStage mr. whereas Livefrage is a full development commonwest complete with amptine language \$ZeduCFII shins

act was VideoClot (www.electeckom) The USSIAN product allows media a Web movie. The demo I was owen had the mesoner adding a but more to software allows a tweening function, so the developer can old a few keyframes to the video and have the

· AXFLour and AXFLedor LS content surbones took mabble Mac mete, export, previous and publish interactive 3D contract to the Web, Inappeared to allow purp to add many

our having to code. AXEL core is the AXMedian is the preferencial version et 1755950. New Sesteres on those products include the shifts to publish · LAJ Design's (meals/reignoacum)

Qualitie Web Albrows is a mounter Second that exclusively on scheduling and contact

adered HIME (Web) photo station coles tions of EPEG GIF FAIR PICT, or PNP images, it runs on Mrc CS 8 through E. The new weapon, 2 & orbirence compression options, and the ability talinclude video clies in Web

benenisth Microthia a 3D architectural from Wandows to Mac OS X. brong on introtive tool set to set and engagerray speliconess, 100.

Features sachade easy sketching, estractor, and careers of 3D objects as well as shadow mapping of light Apple's five (Photo is a coral archite) dagen). It's the a big brother to

there iPhoto does in addition to smage formats, including PDF, OughTime money, HTML, and sunfestures that I now demonstrated was at dideshow carehilities, which for export is also more flexible than Photo's The hos servans is UNOS. correlates of the show fines 1925. tee speakers and a subweeder, and

course bursons on the right sandlate It's appliable to metallic, white, or The lang-delayed Real Player for C5 X Steve John' bewarde address. Beal who roined lobe during the address. enameral the evolubility of a Real "smoother playback than any plat-

from anythere in the world."



To receive free copies of The Computer Paper each month, for distribution to your patrons, customers or employees,

Fax us at 1.866.263.0899 or Email to circulation@tcp.ca





### LOGIC COMPUTER HOUS MAS Viewsonic Apacer 444







# Computer Paper Can we send YOU a

# **Digital Directory?**



Directory is a completion of all Canada Computer Paper's advertisers exclusive suppliers to the Canadian high-tech industry You will get a comprehensive guide to industry resources, broudedon and bustide, and

unkenhila countries for your office home or workshoot Sign up for a NEW subscription and receive a Digital Directory shoot sale recen

625 Church St., Suite 600 Torento, ON M4Y 2G1 Cy law styl land to BAA2A200000 amod uduscara coultiers on

YES! I word to recove 12 cours of ChronityPAPER by Oney store and receive a EBEE Diolog Diseasons

CNSA CMoreCord CiCleoue CMorey Order 112 CONTRACT VAN THE PROPERTY MADE CONTRACTOR PROPERTY AND ADMINISTRAL PROPERTY AND ADMINISTRAT ADMINISTRAL PROPERTY AND ADMINISTRAT ADMINISTRAL PROPERTY AND ADMINISTRAT ADMINISTRAT ADMINISTRAL PROPERTY ADMINISTRAT ADMINISTRAT ADMINISTRAT ADMINISTRAT ADMINISTRAL PROPERTY ADMINISTRAT AD

PA ... ... . PR.P. - Classi Directory

OVER STOL

a Canada

Improved! Interactive! www.totaluamer.ca

A Stra College 114 Fresh Br Hightech innovations , 193 Elgabete Technology .... 15

Chasifests Leadish Tessands ber. ....44 Consputer Rooks Pearson Technology .... 100

Carears & Training

PAN PARTIES .....

MOS Counds Microsol ..... Herital ... 

PC Shop PC Village Charles

Toner Remanufactures

Online & Connected

ATAT - Destinated Access 51 Eatl Sympation .... Cittage

Einin College Linux Water Liver Ser

fitters wifes Tarrico Taub nedesas Service & Consulting 

> TCP Services

respetible loose Cartridges For Printers, Plantesspiers, South Small Smalls Smaller Smalls Small Smalls

Gillery Bd. Segrecial in 18

LEWIS C CAN CR. 1965 HTML

January Str., MCI., Valvet, 51 LOWEST PRICES Deser-

Hard-to-find

Curing Schwarz Seldon

(301) \$33,0000

Seral Office/Home Office

device adjuguence on

INTERNET

neurobelhosspon LEGAL MELP

PC COMPUTERS

PC NOTEROOKS

On-Site Services

Design & Hosting

S.C.E. BEPHIS

COMPLETE REVAIL NAMED THE 995-205-1297

Name and Address of the Owner, where the Person of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner,

Novetrex Commission in commission of

C C++ Item Html JavaScript Peri

Service & Support

programment of Charlest and Laboratorium amount on \$15

www.thitbaarre.nat

No new major break Spill (State Control of the Cont

905-470-7014

- 64 MB coin \$75

- Works' Ad
- Picase see Toronto Image on Page (fri

HARDWARE

CHEE TO SCHOOL SING controls (Salarh Sie new

### BUSINESS



NETWORK SUPPORT

NET - Service Proceedings of the Service Procedure Procedure | Service Pro

ComNet Services
Tek (416) 753-8091

Sect to School Specials from MobileDipart ca
Digital Dayparts
One Price 2009-96

Comp your combound code of From 324 50 code of From 324 code of F

We specialize in APTOP data backup.

We specialize in APTOP data backup.

\*\*Country of the APTOP data are part |

\*\*Country of the APTOP d

was absoluted for the act and act and

| December 2016 | Capanism | POS | Capan

COMPUTER REPAIR
Specializing of large Scriptor Military

Specializacja in large screate monitorio
Systems - Monitors - Printers
-ica too McCa and Pio
-free estimate
-forcement host relate
-force

MONITOR REPAIR
PC, MAC, ALL MODELS & SIZES, TV, VCE,
ELECTROOGC REPAIRS & PRISE STRIMATE.
LIGH FRICES, SILL LUSID MONITORS & TV
(905) 415 8855 (CALL \$100M-\$109H)
RUAN COMPTITIES AND ELECTROOKCS
BUT Teloo 80 (North of Viction and Studies).

PLUS COMPUTER COLLEGE
LIPC Set 1999 U.O. 1999 W. Prosess the Street Settler (1994 U.O. 1999 W. Prosess the Street Settler (1994 U.O. 1999) W. Prosess the Street Settler (1994 U.O. 1999) W.G.S. 1999 Intervalent GUARANTEED TO MSS CERTIFICATION EXAMS Limited Settler (1994 U.O. 1994 U.O. 1

GUARANTEED TO PASS CERTIFICATION EXAME Lineled State per Class Zond Todays! For More Info. Cat! 416-744-0004 5601 Stroke: Ave, West. Unit 4. North York Monitor Plus

BEVAUS

Monitor Repair Monitor Sale

In six 8 min (of 125) for all 1 min
for odmin 6 line pics 1 har securir

1118 Replac W (416) 663-8878 waxamilants.

Registration
Styr country
E (1) SO

TO STY COUNTRY
TO STYR COU

Mostlin

Joyale

Castle

Landa Ay XX 200 MONITORS

Landa prise in the sadul

Landa Prise

Mit Audi Prise

Mit Audi Prise

Landa Prise

Mit Audi Prise

ENERGENCY GATA REDEVERY
TOLL FREE 1-828-712-7787

CD & DVD DUPLICATION

Count 64th 0000451997 a MEDIACODN

Ch diplomin behinder [Ch. Mide on, 5149 \* CDr.

Ch diplomin to find on the control of the 184 \* CDr.

Ch diplomin in the princip on the control of the 184 \* CDr.

(It is believed out CDr. Mid of the 184 \* CDr.

ONE Critical Col. 8 mil 2 rink rills controller 33.07 m.

PSEDDE CD 4 DVD







On-Site Service

Fortware Sopal
Software Installation
Networking
Upgrading

Tel: 416 504-2658

DataRecoveryBC.COM

Standard State

Samulation in S

#1 Wireless Network Integrater
We Offer Unbestable Price!
We Offer Unbestable Price!

Occupations: 1 State Winners To the Same Annual
Linear State Caleboard
Linear State Caleboard

Colored State Caleboard

Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Caleboard
Fig. (Colored Ca

NOTEBOOKS EW USED, PARTS, REPA

CO-P PRODUCTION

\$OWER HOSTING

# CD DUPLICATION 160

Quantum Media Services fromt on mes on 180+



mpc-eShop-Engine mpc-eCatalog-Engine pro-ectation of the pro-ectat

MPC Tech Center 415-225-542

MPC Tech Center 415-225-542

Swezzpotechester som

VAR Partner program available

# \$ 1.39 per sal: full packaging for an low as 6.55 Bestees and and slaped do Lico expended at when greenvious com 1.200 Epiropian Ave East Inside the lain on the First Noted at the Autonomy Cerebre or list here for Cerebre 1-6/27 - (3)(2)(2)(2)

SUBSCRIBE NOW!
ComputerPaper

subscriptions@tcp.ca

SATIVILLS
SID See Miller According to the Section of Section According to the Section According

Call (905) 683 00 14

SOFTWARE
DEVELORMENT
MORE CONNECTION
SOFTWARE
DEVELORMENT
MORE CONNECTION
SOFTWARE
A CLASSIFIED AD
EVALUATE FOR PLACE
EVALUATE
EVALU

working J not working, CORDS CLEARS (AND The 35 Their printing, are quarter, 46-104-0 WIGHT DESCRIPTS - CARN 18 MOREY from Carlos Carnys with College Cortice Congressions with College Cortice Congressions



Computers to Your Needs !



1.000.010.HITS www bitscomputer com

- NEW & NOTABLE -

pact hight that also plays into the USO persington Technology Group

sees very mostly. The Flyfax has a fireable 15-inch goesneeck and easily fits

new penchasis that add extra USS ports to a notebook PC spe of a metrhbox (5 larse) on or

Other Foweight designs from Very looker lackers the Ehilant a com-

9 to but of on 1 and mide from norm 156 note to the negles it is object into it used without R-drawing power from the

The other device, the Pocket KeyPed, is allows the Porket KeyFad and lacted to Resports. The deure nearners

The Phillips has a supposted retail price an estimated since of US\$10.00 each and of US\$24.09 and corner with a pne-year

Hi Tech

about your adm to reits star of the American Service of the Servi

Mai to tot Church SE Solts 600 Screen: CN, MAY 2011 or cast thomas Eag Self Fore of 1 489 489-3617 est. \$200 Self-tot before and property to the country for a proper-Too bette monocomes 1.00 Discorders

### Unleashed gets under boad of Mac DS X

Their TE covers all. of the material common to most Mac CS X books and their to person Strike disping into the workings of the operating system. It works for the tops of topics that can make more ordered wars sollyutu. Mac CS X thinnshed in a med squarely at users this are not always and operating their most person of their cannot be seen as the common terms of the common t

who are not about to get under the hood of an CS.

When it comes to the ISSE their circle of Max CSX, it deepn't scripp. A first amount of material in deeplet to accessing the Units subsystem. [It can't be a conscience that both authors have confidence on the confidence of the confidence of the confidence that both authors have confidence to form on the confidence of the confidence of properties or one is a little or condition and the confidence of the confidence the confidence of the confidence of the confidence the confid

experience one is a Desi sysulates and the other has peried a bool on transi-The first 40 pages are devoted to had natively designed by the property of the solitors of the pages and the pages and the solitors of the pages above the audiost team they attending to the first pages of the solitors of the pages and the pages and solitors of the pages and the pages and solitors of the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the solitors and the pages and the pages and the pages and the solitors and the pages and th

section at such Model or The synchronic ball of concepts, and consumers, and the section which is supported to the concept of the concept of

set by a reconcer or man, and have been taken X N'miner applications on a Mac. In militian to those more advanced from it, if she has been at my arform, it who has not at how to set up at the property of the set of the set of the integrate. For me it, you may also be integrate. For me it, you may be not to prove the creat a find disaplar than the part and a hard-com Mac user who wants to one the meal and of OX X, this. hope time has what you need I would have preferred that it day the hardhave preferred that it day the hardferred with the contraction.

## Test Lab: A network printer

Set Lain's Archivect printer.
Cardinated hims pages 5.0.
2019 Seemed is work; past fire or an everyconnect with multiplay fire. It realizing
formation on it. The language distribution was
finestern exold the in an exercisement where
multiple sorrs are politicing a let of pholair. your table of consumption mount in
much heights, silver you multiple have to
speed more them working, navery for point; phoformation, managing peems as

## U.S.Robotics

## Ready. Set. Connect."



Whenevery pair insteads ready with a part the solution. I that is a Window Our Edderma size controlled product offers states and may make a strong for a soliting of wind naturally. Whether they are you the mobile and frenders in the mount of the same large controllation are made in governor. Our Research makes a mount of the same large controllation in small registers. Our Research makes a mount of the research and interference sharped meaning and may be a few solutions are made in the research and interference sharped meaning for any solution are not solve the research and made and the solution for a solution of the solution of t

For more information, shirt worskening com/orobousts connect or call 1-877-KEATIN

She has her father's eyes and her mother's curls. But those flawless skin tones had to come from an incredible printer.



With the new Epson Stylus Photo 820 ink set priese, you can create frameworthy photos right at home One plance and you'll use her sparkling blue eyes and every streeterry ringlet. But what you won't sen. no metter how closely you look as any hint of assin. That's because coly we have true 6 colors about tribs, the same used by prolessorab, to create images at smooth as they are bettern. So now, the best and most treasured otheros in your home are likely to be the ones you printed these. Additions features include. PRINT Image Metching?" which automatically gives you the best possible photo P1M-equipped digital cameras \* 2880 x 720 dox for incredible detail \* True Books/Fore\* conting (6"s 6"; 5"s 7"; 8"x 67") • Prints at a cost compossible to a shoto lab + Fast speeds - 6" x 6" prets in 48 seconds and up to 12 ppm black text a Lorenze lanton natural with Energy beliefest money. For a most sometic call 1 000 GO-EPSON or for more refor wat enough more





gives you Look UltraFast DSL\*
high speed Internet access...
and samething to shout about

Supar Fast: Look Utrafeet DS: gives you scandibly lost access to a world of ealine and beased Develored interestive games, music and video up to

Always On Groundedligh speed blesset coass with re failing, to considery Daesn't Tie Up Your Phone Line

You can make or means calls while you as an fine literal Self-Install. No seculation has a Most customers intell look What Fast DS: thousakes, With Look's simpleto-selessificates for and our "play & play" high speed

# A Look UltraFast DSL account includes:

- 5 e-mail addresses
- Look WebMail access
- Free parental filters
- 10 MB of Web space for a home page
- The best customer service/7 days a week

Tationio and nontreal for ALM/PET RECONS Just call 1877 395-5665 or 全新「中文事務要書意味」發電1-M-53-160 visit us at www.look.ca/ultrafast







MALES SOLD

MINISTER PROCESSES SI LIS DEL

MINISTER PROCESSES

VISION 1700

WITH FREEDOM of PROCESSOR AT 1.70 feb

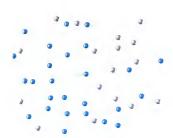
The Processor of P

VISION 2000

THE YEAR OF THE PROCESSOR 32 J. S. Bib WHITE 1938 CE DANGE 1938 CE DANGE

BUNCECESTER

When your Web site is down, the only thing you know is where your customers aren't going.



### AT&T Canada has the skill and expertise to deliver reliable uptime, all the time,

As your Web presence becomes more and more critical to your business, finding a dependable hosting solution becomes were important With a hosting solution from AT&T Canada, you can feel confident knowner that your mission critical systems are available - to you and your customers - 24 hours a day, 7 days a week. In fact, AT&T Canada's solutions are all backed by a minimum 99.5% uptime quaranteer and one of the largest Tier 1 networks in the country Plus AT&T Canada's top techniques monitor, militain and support your hosting solution in our secure, state-of-the-art data centres

### The right hosting solution for every business need.

AT&T Caneda offers a full range of miliable hosting solutions to accommodate your business' changing needs. Each of the following services is designed to simplify the upkeep of your Web presence.

you need it

Eliminate the hassie of owning and managing a server Upload your Web site onto our state-of-the-art infrestructure. A range of disk space and monthly transfer options are available, along with CGI Scripting, secure server access and Web site traffic logs.

### For your high traffic or complex Web site, AT&T Canada

will host your server in one of our secure, environmentally controlled data centres. Incated in major rities across Canada You will receive server space in our locked cabinets, remote access to your server and the bandwidth you need, when

AT&T Canada will provide leading-edge servers that we will configure and connect to our Tier 1 network. Hosted in our data centre, we will provide real time monitoring of your hardware, while you maintain control of your operating systems and applications

### Our certified engineers will install, configure, monitor and support.

your complete internet infrastructure, including the server and its environment, as well as the operating system software and applications

AT&T Canada offers a full suite of enhanced services to strengthen your hosting investment, including managed security, data backup, load balancing and database management

### Free your resources so you can focus on your core business. Take the strain off your easting technology resources Turn to ATAT Canada for a secure reliable hosting solution You'll save valuable

If time and money while still being able to expand your Web capabilities as needed. Information, contact your Sales Representative, visit the Web site or call today.

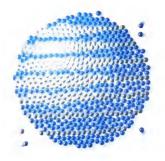
www.attcanada.ca/hostine

1 866 292-6695



BOUNDIESS

Voice Data Internet E-Business



AT&T Canada's 99.5% uptime guarantee on hosting solutions will keep them rolling in.

### Reliability. Security. Scalability.

For 99.5% uptime guaranteed, rely on a customizable, cost-effective hosting solution from AT&T Canada.



Lat AT&T Canada help you sort out your hosting requirements. For more

www.attcanada.ca/hosting

1 866 292-6695



BOUNDLESS

Voice Data Internet E-Business

Cut or not our Wall test for complete details on ATET Committee service guarantees. Terms and Conditions upon Governor edges to the part of the part o